# The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

APRIL 4 1953



*Inviting you to visit the Marquise Stand at the*

1953 BIF

27 APRIL – 8 MAY
EARLS COURT & OLYMPIA
LONDON

SEE OUR EXHIBIT
AT OLYMPIA
STAND No. M.3

Our friends from home and overseas will be given a cordial welcome

*The newest display pack for carded Marquise Hair Nets. Regd. Design 859623*

*The World's Finest Hair Nets*

**Marquise** Regd.

**BRILLIANT NEW PACKS COMMAND SALE ON SIGHT**

*The* **MARQUISE RANGE**

- Nylon Hair Nets.
- Elasticated Human Hair Nets.
- Silk Hair Nets.
- Artificial Silk Slumber and Setting Nets.

Beautifully presented in colourful metallic transparent envelopes; 3 dozen on attractive Hanging Cards or half gross in handsome Counter Display Unit or 1 gross in Display Box.

*If any difficulty over supply write direct.*

**A·C·GILL & CLEAVER LTD.** (WHOLESALE & EXPORT) **MARQUISE FACTORY, NOTTINGHAM, ENGLAND.**

*The name behind the tablet*

—is a name to be trusted

TABLETS and PILLS

OF QUALITY

FOR HOME AND EXPORT

Your enquiries are welcomed. Write to-day to—

BRITISH CHEMOTHEUTIC PRODUCTS LTD.

KEMTHEUTIC HOUSE · BRADFORD · ENGLAND

# IMPORTANT CHANGE IN RETAIL CHEMIST TRADE

## *Yorkshire chemist explains recent trends*

**"DURING the last nine months I have been struck by a very definite change in the purchasing habits of my customers. I have noticed that sales of many higher priced products — even well known ones — have been dropping considerably. My customers, from all social classes, have still been demanding top quality products but they are less prepared to pay fancy prices for them. In other words they are determined to get the *utmost value* for their money.**

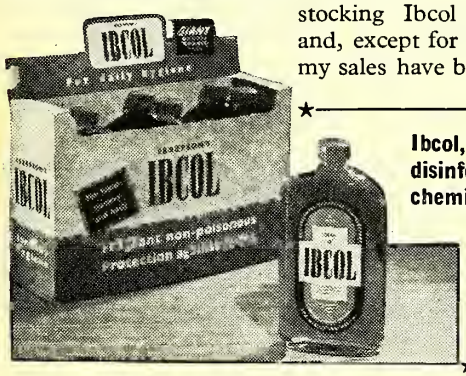
I have therefore made a point of meeting my customers' altered needs by looking out for products which still give top quality but at more reasonable prices.

**It is quite clear from the evidence of this chemist and thousands like him that the public are becoming increasingly insistent on getting value for money. They know that in Ibcol they have a top quality all-purpose germicide but at such a reasonable price they can afford to use it everywhere. That is why it pays to display Ibcol where your customers can see it all the time.**

### FINDING THE RIGHT PRODUCTS

Following up this policy, I began searching for a product to take the place of the more expensive brands of germicides. After making my own tests and experiments with various products, I came to the conclusion that one of them was quite outstanding—and that was Ibcol. It is an all-purpose germicide, containing ten active ingredients, and that is why it is regularly used in leading hospitals. The price, however, is so reasonable that everyone can afford to use it.

I decided, therefore, to give Ibcol a trial in my shop, and I'm very glad I did. I bought a dozen bottles just to see if my theory was correct, gave them a good display on my main counter and in three or four days had sold them all. Since then, I have been stocking Ibcol regularly and, except for one week, my sales have been going up steadily all the time. I find the 8 oz. and 16 oz. bottles sell best in my shop.




**Ibcol, the all-purpose germicide disinfectant is ideal for display in a chemist's shop. A really first-class product—backed by national advertising. Attractive, neat and handy display cartons. Reasonable prices. It has everything in its favour.**

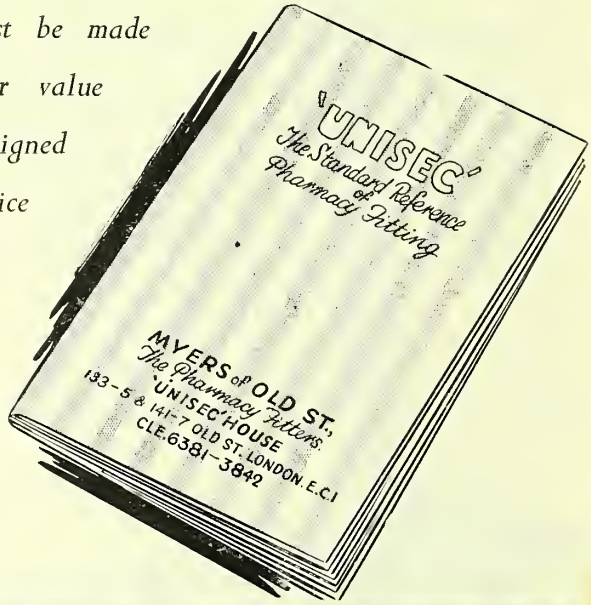
### VALUE OF DISPLAY

Finding there was a genuine demand for Ibcol, I have been stimulating sales still more by giving it a small but prominent display all the time. It is all the easier to do this because Ibcol comes ready packed in handy display cartons. All you have to do is to open them and there you are with smart looking displays all ready for your counter or window — bringing increased profit without taking up a lot of room. I'm sure Ibcol displays are very important. People come in with prescriptions and then seeing Ibcol, are reminded to buy a bottle of that as well — which means of course, valuable *extra* business."

This particular chemist's experience of Ibcol is similar to thousands of others. If you are not already stocking Ibcol please write to Ibbetson's, River Road, Barking, Essex.

*No matter the origin of the products you stock—whether from distant lands or near—prosaic or romantic—the final all-important factor is to sell them . . . . to get them across the last two feet of your counter to the customer.*

*A chance enquiry can often bring about a sale, but the successful pharmacy will rely on more than just chance to bridge those two feet. The consumer must be made familiar with those products — their value and use. Adequate display, well designed units incorporating both stock and service facilities, a well designed shop front —these are the means to the end.* **"UNISEC"** *points the way. A copy of the Standard Reference of Pharmacy Fittings will gladly be forwarded to you.*




'UNISEC' by MYERS of OLD ST.,
THE PHARMACY FITTERS

UNISEC HOUSE 133-5 & 141-7 OLD ST. LONDON E.C.1 CLE 6381-3842

# *A new* EVANS *counter speciality*

# RŪBAN

*A rubefacient cream designed by*

## EVANS PHARMACEUTICAL RESEARCH AND DEVELOPMENT UNIT

- For relief of symptoms of Muscular Rheumatism Fibrositis and similar ailments
  - Analgesic
  - Rubefacient
  - Non-staining
  - Non-greasy
  - C.F. of course
- Packed in colourful display outers for counter sales

★ COUNTER LEAFLETS

★ SHOWCARDS

**RETAIL 3/- each**
**WHOLESALE 19/6** per doz.
+33⅓% P.T.

*Made in England by*

**Evans Medical Supplies Ltd · Liverpool**

444

L. T. PIVER OF PARIS RE-INTRODUCE

# True Paris Perfumes

## PRICED FOR TODAY

Every woman wants a Paris perfume—now she can afford it! *Piver* of Paris return to this country with thrilling authentic French perfumes—created, packed, sealed in Paris—brought to your counter at thrifty prices and in attractive display outers that catch the custom. With the special handbag size retailing at 6/8, no woman will be able to resist a trial of these nationally advertised perfumes—direct from Paris! Note sizes and prices:

**Les Fleurs (9 fragrances) 14/9 retail**
**Le Trefle Incarnat, Rêve d'Or, Pompeia, Cuir de Russie, Floramye, etc. — 16/4 and 22/6 retail**
**Special Handbag sizes 6/8**

# PIVER
## of Paris

Write to sole Importers:
**F. & G. TURNPENNY LTD.**
5 Gt. Winchester Street, London, E.C.2



A RELIABLE REMEDY

*that is*

REGULARLY ADVERTISED

*and brings you*

REPEAT SALES

also Kay's Compound Pastilles

KAY BROTHERS LTD. STOCKPORT

BIOMETICA LTD · BULLHEAD ROAD · BOREHAM WOOD · HERTS

G&G

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*From the Carnegie Range of Fine Chemicals*

ALOIN

CARNEGIE CHEMICALS (WELWYN) LTD

WELWYN GARDEN CITY : HERTFORDSHIRE : ENGLAND

Telegrams: CARNECHEM, WELWYN GARDEN

Telephone: WELWYN GARDEN 506 (4 lines)

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# These advertisements make sales!

They are large-space advertisements, they urge women to ask for Southalls *by name*. Southalls win repeat sales because :

1 Quality and softness are improved even more.

2 All 'Original' Santowels are now sewn.

3 New looser packing protects all the generous softness of Santowels.

4 Southalls cannot be bettered for value.

*Say Southalls—say Sales ! Order from your wholesaler* now—*or, when our representative calls, let* her *send your order in.*

**Southalls** SANTOWELS

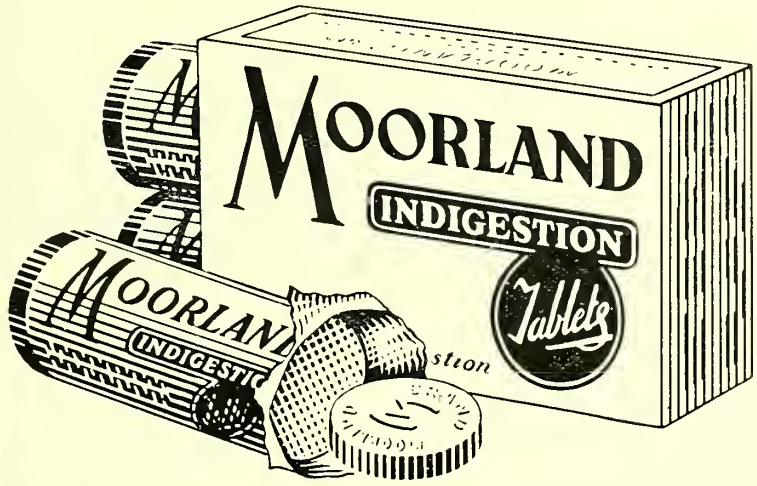
'ORIGINAL' 'SOLUBLE' 'K' *in a full range of sizes*

SOUTHALLS (BIRMINGHAM) LTD., CHARFORD MILLS, SALTLEY, BIRMINGHAM, 8.

When they ask you

**"What's best for Indigestion?"**

**here's the answer...**




*Retail Prices:* 1/1d a packet of 4 rolls (40 tablets),
2/- a packet of 8 rolls (80 tablets).

W. B. CARTWRIGHT LTD. RAWDON, NR. LEEDS

**And for a hangover of winter colds** (or an early case of hay fever) . . .

**LOBELLINE**
HERBAL
COUGH SYRUP
1/9
and 4/-

**PENETROL**
INHALER TUBE
2/-

**PENETROL**
INHALANT
2/9
A BOTTLE
(large size 4/3)

**PENETROL**
QUICK VAPOUR RUB
1/8
A JAR

SPECIALIZED COX SERVICE

Technical refinements in the production of

# PILLS and TABLETS

by an Organisation that employs the latest mechanical and scientific equipment, plus craftsmanship, give you—

★ A NEW STANDARD OF EXCELLENCE
★ ACCURACY AND UNIFORMITY
★ THE CONFIDENCE OF CUSTOMERS

GROSSES OR MILLIONS
BULK OR PACKED · ANY SHAPE OR SIZE
COATED OR UNCOATED
STANDARD OR SPECIAL FORMULÆ

ARTHUR H. COX & CO. LTD.,
Manufacturing Chemists since 1839
BRIGHTON, 7, SUSSEX

CREAMS · OINTMENTS · PASTILLES · CAPSULES · SOLVELLAE · ETC.

## TERRY FACE SQUARES

33% below normal price, 11″ × 11″, whipped edges all round in Pastel shades of Blue, Green, Lemon and Rose. Export release slightly sub-standard.

2½% discount Cash with order
*Unrepeatable Offer*
Minimum order 1 gross
*Money refunded if not entirely satisfied*

72/- Per gross
2/- gross pst./pkg.

Owing to overwhelming demand from previous advertisements, orders will be treated in strict rotation.

*All orders to:*
DREAMWARE CO. LTD. (CD.2)
7 Ludgate House, Ludgate Circus, London, E.C.4

## FIRST AID DRESSINGS

ELASTIC *Self-Adhesive*

Plain Label/own name in
Bulk all sizes

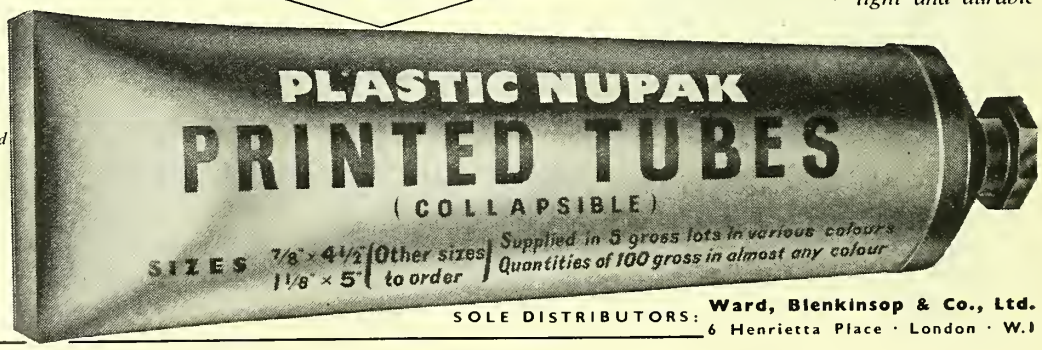
D.S.A. LIMITED
21, LOWER PARK ROW, BRISTOL, 1

SEALING BY HIGH FREQUENCY MACHINE OR METAL CLIPS, OR CAN BE SUPPLIED READY FOR FILLING THROUGH NOZZLE

*P.V.C. Non-toxic should be considered by wholesalers and Laboratories, wherever printed metal tubes are uneconomical, or unsatisfactory for use with jellies, creams, or ointments.*

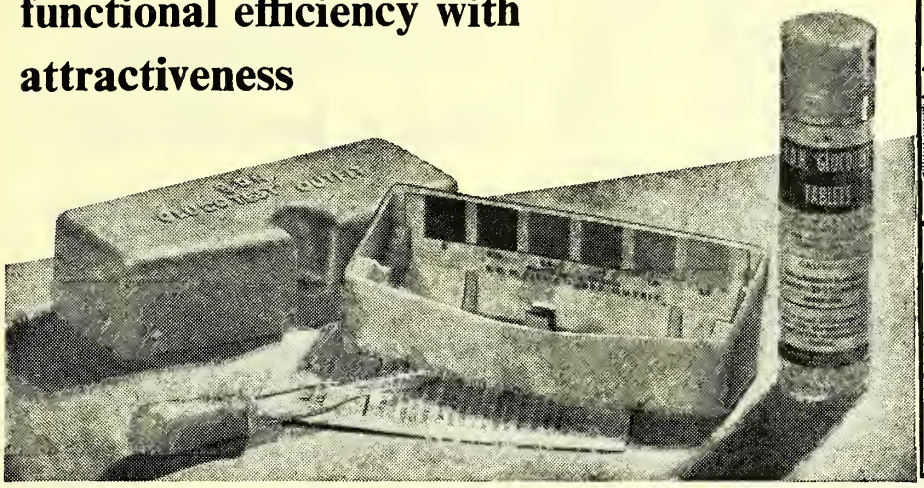
Actual Size 2 oz. tube

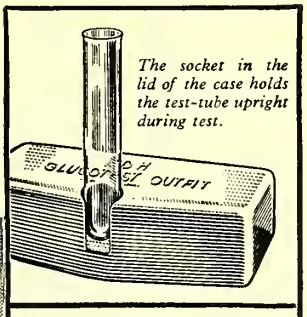
*Expensive jars no longer necessary—save money by using P.V.C. non-toxic tubes —light and durable*




SOLE DISTRIBUTORS: Ward, Blenkinsop & Co., Ltd.
6 Henrietta Place · London · W.1

# This urine test outfit combines functional efficiency with attractiveness






*The socket in the lid of the case holds the test-tube upright during test.*

COMPLETE OUTFIT
Trade 6/8 Retail 10/-
TUBES OF 36
B.D.H.
GLUCOTEST TABLETS
Trade 2/4 Retail 3/6

# B.D.H. GLUCOTEST OUTFIT

CONVENIENT
NO EXTERNAL HEAT
COMPACT
ATTRACTIVE

The B.D.H. 'Glucotest' Outfit and Tablets comply with the official specifications for appliances and reagents for urine analysis which may be ordered on Form E.C.10. Their supply is approved whether ordered under the brand name or under their official titles—"Urine Sugar Analysis Sets" and "Diagnostic Solution—Tablets of Copper."

THE BRITISH DRUG HOUSES LTD. LONDON N.I

*You can always rely on—*

# "RELIANCE" SPONGES

Only the best of Natural Sea Sponges are good enough to carry the name "RELIANCE." Our widespread organisations are the largest bulk buyers of sponges. Our warehouses are based on the Greek Island of Aegina in the centre of the Mediterranean fishing industry.

Attractive display materials and interesting literature are at your disposal. Your enquiries will receive our expert attention and a representative will gladly call on request.

## CRESSWELL BROS. SPONGES

*(World Natural Sponge Suppliers Ltd.)*

**LARGEST PROCESSORS AND STOCKISTS OF NATURAL SEA SPONGES IN THE WORLD**

International Building, Buck Street, Camden Town, London, N.W.1

Phone: GULliver 5462/3. Telegrams: Sponge, Norwest, London



**For hair that is drab, faded or just showing the first grey touches**

# INECTO

**FOUR-IN-ONE SERIES**

★ *12 lovely NEW shades:*

| | |
|---|---|
| 14 Blue Black | 20 Golden Brown |
| 15 Dark Brown | 21 Light Bronze |
| 16 Medium Warm Brown | 22 Honey Blonde |
| 17 Light Chestnut | 23 Smoke Blonde |
| 18 Ash Brown | 24 Haze Blue |
| 19 Bright Auburn | 25 Copper Glow |

IN ATTRACTIVE HOME PACK

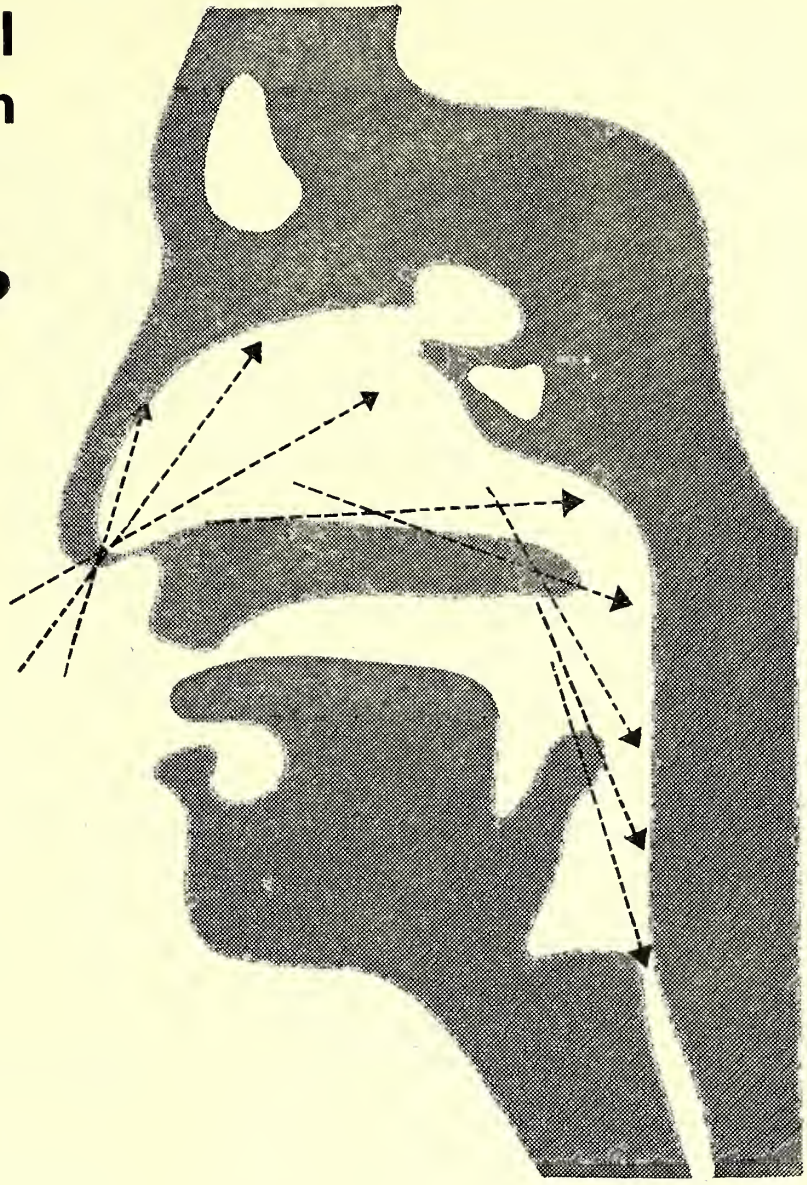
*Price 5/- Wholesale (inc. 2s. 6d. P.T.), 6/- Retail*

**RAPIDOL LTD., 27 DOVER STREET, LONDON, W.1**

***Regent 7541 (12 lines)***

# Effective local penicillin therapy . . .

# 'PENDEX'



**the penicillin-vasoconstrictor combination for upper respiratory-tract infections**

**'PENDEX'** presents in a stable aqueous solution

. . . the potent and penetrating antibacterial action of 1,500 units of penicillin per ml.

. . . the rapid and prolonged vasoconstriction of 'Paredrinex', which shrinks the oedematous and engorged tissues and aids the penetration of penicillin throughout the nasal cavity.

**'PENDEX'** is indicated in the intranasal treatment of

**sinusitis**
**rhinitis**
**and nasopharyngitis**

'Pendex' is available, on prescription only, in 15 ml. bottles with dropper

Further information is available to pharmacists, on request

MENLEY & JAMES, LIMITED, Coldharbour Lane, London, S.E.5

for *Smith Kline & French International Co., owner of the trade marks 'Pendex' & 'Paredrinex'*

PXT102

# *Delicious fruit drinks for Diabetics*

**ROSE'S** DIABETIC LIME JUICE **3/6** *a bottle*

**ROSE'S** DIABETIC LEMON
OR ORANGE SQUASH **3/-** *a bottle*

*All specially prepared without added sugar*

FROM HEALTH FOOD STORES AND LEADING CHEMISTS

**The Silky Soft Absorbent Tissue that is preferred**

# *Vanity*

**HANKIE TISSUES**
**RETAILS FROM 1/6d.**

Tissues have come to stay — it's just a case of selling the BEST to make and keep customers. VANITY are produced by THE PAPER SPECIALISTS—packed attractively and come to you in display cartons worthy of your windows and counters.

**POCKET PACK**
for Travel, School, etc. (24 large size White Tissues) 4d.
***In the carton that does not disintegrate in use.***

**BOUDOIR CARTONS**
(150 in White or assorted Pastel colours) or Cellophane Wrapped 150 and 180; assorted shades if required.

**FREEDER BROTHERS PAPER MILLS**
BRIMSDOWN, ENFIELD, MIDDLESEX
*Telephone: Howard 1847 (3 lines)* *Telegrams: Sylkocrepe, Enfield, Middlesex*

**NATIONAL FORMULARY 1952**

# PASTILLES AND LOZENGES

***are always available in ample supply from***

**ROBERT GIBSON & SONS LTD.**
**MANCHESTER & LONDON**

*Manufacturers of*
"MECCA" COUGH PASTILLES *and*
GIBSON'S CHOCOLATE WORM CAKES

FOR CHEMISTS

Richard Daniel & Son LTD.

DRUGS SUNDRIES

Manufacturing Chemists

PILLS · TABLETS
PROPRIETARIES

HEAD OFFICE & WORKS: MANSFIELD ROAD, DERBY. Tel: 48266 (4 lines)
BRANCH WAREHOUSE: GROSVENOR ST., ASHTON under LYNE. Tel: 2816 (3 lines)

# 13 is lucky this month—

## *if you display*
## **NEW** *extra strong*

One of the most powerful shots in New EXTRA STRONG ***dip's*** extra heavy advertising campaign is fired this month!

On April 13th an advertisement ***13" high,*** spread across ***5 columns*** will appear in the Daily Mail and the News Chronicle—papers with a combined readership of over eight million!

There'll be a big demand for New EXTRA STRONG ***dip*** on and after the 13th. Are your stocks adequate? Get supplies from your usual wholesaler, and keep ***dip*** displayed prominently!

**The British Permanent Starch Co. Ltd.,**
**87 Regent St., London, W.1. REGent 3955**

# TABLETS

. . . of every description whether uncoated or coated.
. . . Packed for market or in bulk.

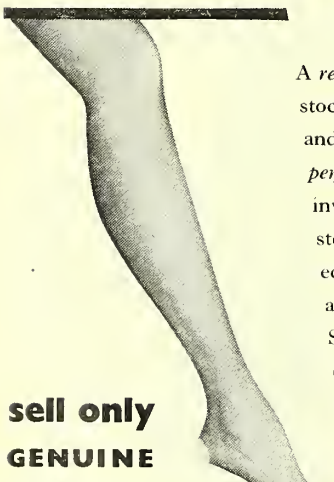
- B.P., B.P.C. and N.F. lines supplied in convenient quantities of 1000 upwards.
- Special Formula tablets prepared with the greatest care.
- Packed Tablets - an extensive and attractive range of labels is available.

TABLETS

**THE COOPER LABORATORY LTD**
**OLD FARM ROAD · WEST DRAYTON · MIDDLESEX**

P4

## Be sure of satisfaction



A *real* Lastonet surgical stocking is finer and cooler and does, of course, fit *perfectly*. It is also invisible under ordinary stockings and stretches equally in all directions to afford full, even support. See you have a supply of Lastonet self-measurement forms.

**sell only GENUINE**

**Lastonet**

the original elastic net stocking
*ALWAYS MADE TO MEASURE*
the stocking with six months' guarantee

LASTONET PRODUCTS LTD · CARN BREA · REDRUTH · CORNWAL.

*We invite your enquiries and orders for*

**Drugs, Galenicals, B.P., B.P.C., N.F. Preparations, Tablets, Pills, Ointments, Capsules, Chemists' and Druggists' Sundries, Surgical Dressings, Plasters, Appliances, Ethicals, Patents and Toilet Preparations** *at competitive prices*

*A Comprehensive Service for the Pharmacist*

**BIOREX LABORATORIES LTD.**
WHOLESALE AND MANUFACTURING CHEMISTS
47–51 EXMOUTH STREET, LONDON, E.C.1
Telephone: TERminus 9494–1431

*Daily delivery service in the Greater London Area*

# INTRODUCING . . .

## an Entirely New, More Effective Treatment for Dandruff

Greater effectiveness . prompt and prolonged relief of symptoms . . . simplicity of use . . . these are the advantages of SELSUN SUSPENSION in the treatment of dandruff. In clinical studies with 400 patients, SELSUN effectively controlled 92 to 95 per cent. of cases of common dandruff. In most patients, itching and burning of the scalp stopped after only two or three applications. Many had used shampoos and sulphur preparations without improvement. SELSUN relieves symptoms for one to four weeks. Conveniently applied while washing the hair. Leaves no objectionable odour. Supplied in 4-fluid ounce bottles.

**SELSUN suspension**

REGD TRADE MARK

(SELENIUM SULPHIDE, ABBOTT)

**Common dandruff controlled in 92 to 95% of cases.**

**Symptoms relieved for 1 to 4 weeks**

**Successful where other treatment has failed**

Abbott

*For further information write to :-*

ABBOTT LABORATORIES LIMITED

PERIVALE, GREENFORD, MIDDLESEX

# Marina

## FACE CLOTHS

in NEW Cartons

and NEW Wrappers

*— a good profitable line for springtime and all the time*

The colourful blue-and-green cartons for Marina Face Cloths, and the matching cellophane wrappers, make this a line which will be even more popular and profitable. Marina Face Cloths are woven, and are available in four styles and various colours. Any one of the four styles is supplied in the outer cartons according to requirements.

| Style | | Doz. | Retail Each |
|---|---|---|---|
| No. 1 | Striped, fringed edge; assorted colours: 11½″ × 11½″ | 8/- | 1/- |
| No. 2 | Assorted self colours; fringed edge: 12″ × 12″ | 12/- | 1/6 |
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The Season's Success with an all the year round appeal

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Send post card to :—

**Also in Family Jars**

**3/-**

24/- doz.
TAX FREE

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Compact Display Outers printed in three colours supplied with all orders and on request a small Aluminium Stand suitable for displaying most "Sure Shield" products

# Thos. GUEST & Co. Ltd.

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See to your stocks of "Sure Shield" Laxatives — regularly advertised

# for Barbiturates in Bulk

Allobarbitone B.P.C.
Allylisopropylbarbituric Acid
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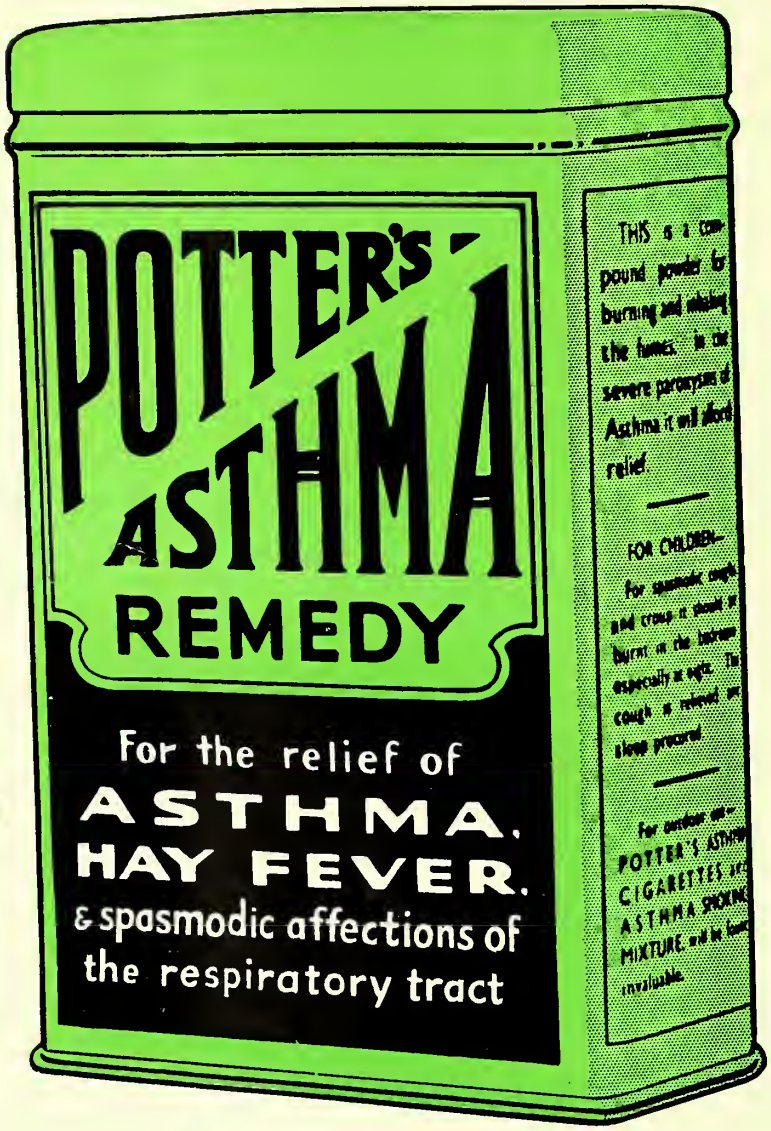


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*1 doz. tins of Potter's Asthma Remedy are displayed in this coloured container Retail 3/- a tin Trade 22/- a doz. (Plus Purchase Tax, 7/4 a doz.)*

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Tops for fast sales . . . the SUBA-SEAL Bathing Cap with its many unique features is heading for a record demand among the great summer consumer market. RIGHT NOW is the time to order sufficient supplies for highest-ever summer profit. RIGHT NOW to avoid disappointment.

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## Luxury Bathing Cap

(with or without strap)

NOTE THE RETAIL PRICE

FOR A BATHING CAP THAT INCORPORATES ALL THE FEATURES OF THE HIGH PRICED MODELS **4/8**

**INDIVIDUALLY PACKED** *in attractive Cellophane with instructions for fitting* **TO SELL ON SIGHT**

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**YOU** should stock this fast selling line.
**BECAUSE** at 2/- per 4 oz. bottle every Housewife can afford to use it lavishly.
**BECAUSE** steady advertising is under way especially designed to bring customers to your counter.
**AND** you earn 6/- on each dozen sold.
Obtainable from the following:— Osborne Garrett, Sangers, Crawford, Butler & Crispe, Crosskill, Goldberg, Hodders, etc. Or write to:—

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*We are direct importers of*

**PINEOIL** **TERPINEOL**
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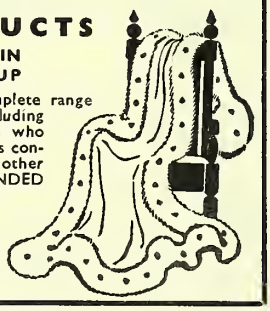
THE SAFETY FACTOR IN EVERY DAY MAKE-UP

Queen beauty products form a complete range of toilet and beauty preparations, including lipsticks, specially for those women who have sensitive skins. Queen products contain no orris in any form, nor any other skin irritants AND ARE RECOMMENDED BY THE MEDICAL PROFESSION.



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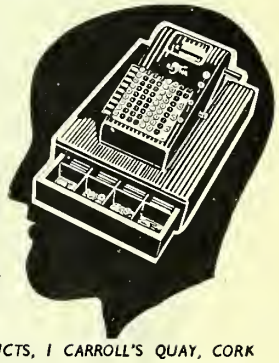

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**DRINKING STRAWS**
special **SMALL PACKS** of 25, 50 and 100 straws.
Order now and **INSIST** on these brands for **QUALITY.**
**HYGIENIC DRINKING STRAWS CO. LTD.,**
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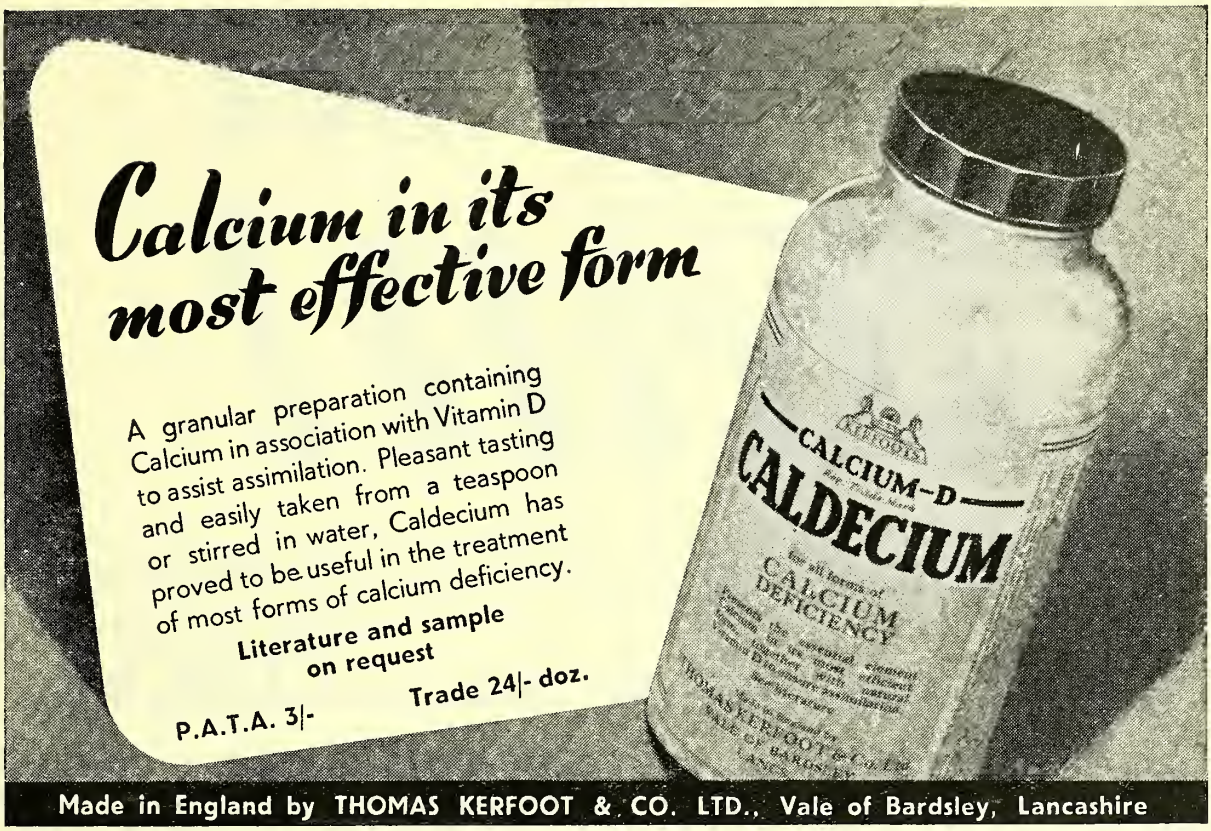
**WE WANT MILLAMALT**

*Sole Manufacturers:*
JEFFREYS, MILLER & CO. LTD., *Leyland Mills, Wigan. (London Department 19 Brookside Rd. N.)*
BECAUSE OF THE BUTTERSCOTCH FLAVOUR

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# Something they can trust

The public likes something reliable, something with dependable high quality. A faithful following is the public's response to trustworthy products that give real satisfaction. Such is the popularity of

## CUTICURA SOAP
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There is a growing circle of discriminating people who appreciate high quality and insist on these soothing, protective, fragrant, mildly medicated Preparations, for care of the skin. Just display one each of these eye-catching firm family favourites in your attractive window, and make sure this steady all-the-year-round business comes your way.

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# ... now comes

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## Trill

Gives twice the shine of brilliantine but does not grease the hair.
Strengthens waves and curls . . . keeps hair arranged all day.
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It will be backed by the same concentrated advertising in the largest circulation Women's papers.

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## THE RETAIL PRICE REMAINS AT 1/8

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**AURORAL**
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In all fashionable shades, including the new Coronation Colours (Elizabethan Red, Spun Gold, and Beau Blue)

**48/- gross: Retail 6d. pkt. (P.A.T.A.) Less 5% for cash in 7 days**
These dyes carry a bigger profit margin than others and now, to help you sell more, we offer, free of charge, a Special Window Display dressed by specialists. This, with our extensive advertising in women's magazines, can mean record sales for you this Season. Write at once to:

**LUTON**
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Standard range of twelve colours. Dull or glossy series; supplied complete with brushes for applying the dye.

**Large size 18/- per doz. Retail (P.A.T.A.) 2/- per bottle**
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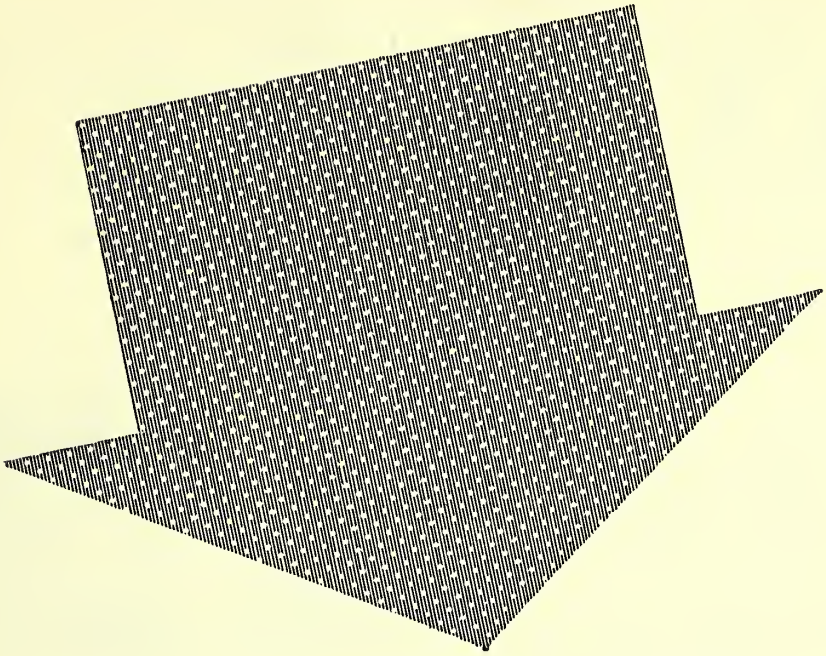

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**CAFFEINE ALKALOID & SALTS**

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# NUCTA OIL

THE SOAPLESS OIL SHAMPOO

*Recommended for its scalp penetrating action.*

AVAILABLE FOR COUNTER SALE

In 4 oz. size selling at .. .. 2/9
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ALSO FULL RANGE OF TOILET SPECIALTIES
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HAND LOTION
AFTER SHAVING LOTION, Etc.

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# 9½d. profit on every tube!★

# PLUS—13 to the dozen

OZOBAR is the barrier cream that protects and cleans. Applied before work, it prevents dirt entering the pores of the skin. After work, when OZOBAR is again applied and the hands rinsed in water ALL DIRT FLOATS AWAY! OZOBAR contains glycerine and chlorophyll—it is harmless to the most sensitive skin. Applied after using detergents OZOBAR will leave the hands supple. Watch for details of National Advertising Campaign.

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Packed in display cartons of 6 tubes.

SUPPLIERS—JAMES HARDCASTLE & CO.
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# . . . in drug growing

THE cultivation of medicinal plants is a yeoman industry that has more than weathered the passing years. It has, in recent years, assumed undreamed-of dimensions, despite the increase in the use of synthetic drugs. To meet this expanding demand for vegetable drugs and galenicals Ransoms have acquired additional farmlands at St. Ives, Huntingdon, with which to augment the capacity of their well-known drug-growing fields at Hitchin. With their century of experience Ransoms now hold a position in the drug-growing industry which is second to none—the name Ransom having become synonymous with drugs and galenicals of unsurpassed quality the world over.

***Actual growers of belladonna, henbane, foxglove, chamomile, peppermint and lavender.***

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**WILLIAM RANSOM & SON LTD.**
***Hitchin Hertfordshire England***

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**DRUG STORE,** Ilford. Shop and two rounds. Takings 1952, £5,600. Net £740. Goodwill, fittings, 1950 van, 12 years' lease (low rent), price £1,250 plus stock, approx. £1,000. Owner moving south. Box C 3477.

**FOR SALE.** Wholesale chemist's business (turnover £35,000 per annum increasing) together with lease of warehouse, fourteen years at low rent. South London area. Principals only. £2,000 plus s.a.v. or near offer. Write Box 7752, Frost-Smith Advg., 64 Finsbury Pavement, London, E.C.2. C 5264

## APPOINTMENTS

**18/- per half-inch (min.) and pro rata. Box 2/-**

### ADMIRALTY PHARMACISTS

Applications are invited from Pharmaceutical Chemists or Chemists and Druggists for posts as Pharmacists in R.N. Hospitals and Medical Depôts at Home and Abroad. Salary scale £450 x £25—£575. Starting pay according to previous professional experience, but candidates under 23 would enter at appropriate point below minimum quoted. Allowance of £25 a year payable in addition to holders of recognised qualification higher than normal M.P.S. Foreign Service Allowance payable overseas. Superannuation benefits under National Health Service (Superannuation) Regulations 1950: deduction of 6 per cent. made from salary on that account. Prospects of promotion to higher ranks. Apply to Medical Director-General of the Navy, Admiralty, Queen Anne's Mansions, London, S.W.1. C 5209

### BOTLEYS PARK HOSPITAL
ASSISTANT IN DISPENSING

Applications are invited for above appointment. Accommodation can be offered to single ladies. Apply, giving age, experience, qualifications and names of two referees to Physician Superintendent, Botleys Park Hospital, Chertsey, Surrey. C 5250

### BOTLEYS PARK HOSPITAL
PHARMACIST

Applications are invited for above appointment. Salary £450 x £25 to £575. Accommodation can be offered to single ladies. Apply, giving age, experience, qualifications and names of two referees to Physician Superintendent, Botleys Park Hospital, Chertsey, Surrey. C 5249

### THE LONDON HOSPITAL, WHITECHAPEL, E.1

has vacancy for Pharmacist. Applicants must be registered Pharmacists and salary will be on scale of £450 (age 23) x £25 to £575 according to previous experience and service. Dining-room facilities available. Write Secretary. C 5248

### FARNHAM GROUP HOSPITAL MANAGEMENT COMMITTEE

LOCUM PHARMACIST required for holiday relief duty for four weeks commencing on Monday, July 27, 1953, at the Group Pharmacy, Farnham Hospital. Salary £12 12s. per week. Applications, stating age, qualifications and experience and the name of a referee, should be addressed to the Secretary as above. C 146

### HARROGATE & RIPON HOSPITAL MANAGEMENT COMMITTEE ROYAL BATH HOSPITAL, CORNWALL ROAD, HARROGATE

LOCUM PHARMACIST required immediately, salary £13 13s. per week.
Applications to be submitted to the Group Secretary, Hereford Lodge, Cornwall Road, Harrogate. C 5266

### HOSPITAL MANAGEMENT COMMITTEE NO. 11 THE GENERAL HOSPITAL, DEWSBURY
CHIEF PHARMACIST

Applications are invited from Members of the Pharmaceutical Society (male or female) for the post of CHIEF PHARMACIST at the above hospital. For female applicants, residence within the hospital can be provided if required. Salary £625 x £25—£725 p.a. An additional £25 p.a. will be paid to holders of a higher qualification, viz., degree or diploma in pharmacy or a relevant field of science, A.R.I.C., Ph.C., etc.
Whitley Council conditions of service and N.H.S. superannuation.
Applications, giving complete details of age, qualification, experience, date available and the names and addresses of two referees to be sent to the undersigned as soon as possible.

GEO. W. BATCHELOR,
Group Secretary.
20 Oxford Road.
Dewsbury. C 5260

### ROYAL INFIRMARY, SUNDERLAND

Pharmacist for locum duties immediately; fee £12 12s. per week.
Apply, immediately, naming two referees, to the Hospital Secretary, Royal Infirmary, Sunderland. C 5207

### WEST MIDDLESEX HOSPITAL (SOUTH-WEST MIDDLESEX HOSPITAL MANAGEMENT COMMITTEE)

Pharmacist required at above Hospital. Salary scale £450 x £25 to £575 plus London Weighting. Higher qualification allowance £25 per annum. Whitley Conditions applicable. Applications, stating age, qualifications and experience with names of two referees to Chief Pharmacist, West Middlesex Hospital, Isleworth, Middlesex. C 5257

### HULL (A) GROUP HOSPITAL MANAGEMENT COMMITTEE HULL ROYAL INFIRMARY

Applications are invited for the post of SENIOR PHARMACIST.
Salary and conditions of service in accordance with the Pharmaceutical Whitley Council decisions, £525 x £25—£625 per annum, plus a special allowance of £25 per annum for recognised higher qualifications. The post is also subject to the National Health Service Superannuation Regulations.
Applications to the Hospital Secretary. C 5256

### MID-WORCESTERSHIRE HOSPITAL MANAGEMENT COMMITTEE KIDDERMINSTER GENERAL HOSPITAL

SENIOR PHARMACIST required at the above General Hospital; should be M.P.S. or Ph.C. Salary £450 x £25 to £575. Applications, with the names of two referees and full details to the Hospital Secretary. C 5225

### WITWATERSRAND TECHNICAL COLLEGE, JOHANNESBURG, SOUTH AFRICA
Department of Chemistry

Applications are invited from suitably qualified persons for the post of:
LECTURER IN PHARMACY
Applicants should have a recognised pharmaceutical qualification registrable with the South African Pharmacy Board, supplemented, if possible, by a University degree in Science and/or Pharmacy. Practical experience is essential and some previous teaching experience will be a recommendation.
The successful applicant will be appointed on a salary scale, within the range £450-£990.
The commencing notch on the scale will depend on the number of years of teaching and/or practical experience after the training period.
Cost-of-living Allowances are paid at Public Service rates, which are at present £320 per annum for married men and £144 6s. per annum for single persons, and, in addition, there are Provident Fund benefits. A single sea passage will be paid, with half salary from the date of embarkation to the actual date of assumption of duty.
The main duties will be to teach pharmaceutical subjects, viz.: Pharmacy, Pharmacognosy and Pharmaceutical Chemistry to students training for the Diploma in Pharmacy of the South African Pharmacy Board.
The successful candidate will be required to commence duty at the beginning of July, 1953. Forms of application, together with Conditions of Service, which may be obtained from Messrs. Frank Ross & Co. (London), Ltd., 4 Lloyds Avenue, London, E.C.3, should be completed and submitted by air mail to the Director, P.O. Box 3293, Johannesburg, South Africa, as soon as possible. C 5184

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(opposite St. Pancras and King's Cross Stations)

**Wanted immediately good class businesses in London, Home Counties and South Coast. Private clients waiting with cash up to £10,000.**

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PHARMACIST

required at BOOTH HALL CHILDREN'S HOSPITAL (380 beds), BLACKLEY, MANCHESTER, 9. Salary £450 x £25—£575, plus an additional £25 for a higher qualification. Conditions of service in accordance with the Pharmaceutical Whitley Council.

Applications, giving names and addresses of two referees, to be addressed to the Group Secretary. C 5221

## SITUATIONS OPEN

**8/6 for 36 words (min.) then 3d. per word. Box 2/-**

**The engagement of persons answering these advertisements must be made through a Local Office of the Ministry of Labour or a Scheduled Employment Agency if the applicant is a man aged 18-64 inclusive or a woman aged 18-59 inclusive unless he or she, or the employment, is excepted from the provisions of the Notification of Vacancies Order, 1952.**

### RETAIL (HOME)

**ASSISTANT PHARMACIST** required for dispensing duties. Easy hours. Suit married lady or elderly pharmacist. Give full details of age, previous experience, etc., to Arnold M. Gee, Ltd., 10 Powis St., Woolwich, London, S.E.18. C 3484

**BINGLEY,** near Bradford, wanted, Superintendent Chemist, shop sales £5,500, plus transfers to branches £4,400. Scope for improving sales. Applications, stating age, experience, etc., to General Manager, Bingley Industrial Co-operative Society, Ltd., Wellington Street, Bingley. C 3443

**BIRMINGHAM** (near). Qualified assistant required for medium-class business. Counter and dispensing. No Sunday or holiday duties. Excellent salary offered. Apply to E. Tranmer, M.P.S., 42 High Street, Smethwick. C 3447

**BRIXTON.** Private pharmacist requires qualified manager for busy middle-class business. Good salary and prospects for right man. No living accommodation. Apply, T. G. Pembro, 69 Loughborough Road, Brixton, S.W.9. (Telephone: Brixton 1475). C 3436

**DISPENSER,** lady, required. Good-class business. Must be neat and accurate. Good hours, rest room, this year's holiday included. Help given to find accommodation. Please give all details of previous experience, age, salary required to Wilfred E. Dale, Ltd., 27 Market Place, Andover, Hants. Telephone: Andover 2400. C 3483

**DISPENSING ASSISTANT,** lady preferred, some manufacturing and counter experience an advantage; must be accustomed to N.H. dispensing. Apply to Kendale Dispensing Chemists, 51 Exmouth St., E.C.1, with full particulars, or phone Terminus 9494. C 3450

**GLOUCESTER.** Unqualified counter assistant (either sex) required; some knowledge of photography an advantage. Congenial working conditions. Apply, with particulars, to Walwins (Chemists), Ltd., Southgate Street, Gloucester. C 3411

**DONCASTER CO-OPERATIVE CHEMISTS,** Ltd. Branch manager wanted for pharmacy opening in new estate. Modern flat available. Also relief branch manager or manageress and qualified assistant. Minimum salary £14 10s. per week and script bonus paid. Applications, stating age and experience should be sent to the Secretary, Doncaster Co-operative Chemists, Ltd., The Emporium, St. Sepulchre Gate, Doncaster. C 3455

**HOLBORN, W.C.1.** Young lady, with or without previous experience required for toilet counter in good-class modern pharmacy. Congenial position with Saturday half-day. Salary according to age and experience. Apply Box C 3485.

**LADY PHARMACIST** required as assistant with view to managership. Comfortable position. Pharmacy within 20 miles London. Newly qualified not objected to. Full particulars and salary. Box C 3452.

**LONDON,** South Kensington. Pharmacist required for high-class business. Good salary and conditions. Good supporting staff kept. Excellent house with garden and garage available if required. Harvey & Co., 37 Old Brompton Rd., South Kensington, S.W.7. Ken. 8788. C 3481

**LONDON CO-OPERATIVE CHEMISTS** invite applications from pharmacists desiring to take appointments as branch managers in London suburbs. Good salaries and commission, pension scheme, etc. Living accommodation in some instances. Well-fitted, modern shops with good supporting staffs. Pharmacists preferring relief duties can undertake extensive tours of branches on a salary and expenses basis with a permanency when required. Applications in first instance to Chief Pharmacist, Grange Road, Leyton, London, E.10. C 3353

**PHARMACIST REQUIRED** as manager for branch pharmacy. Splendid flat available. Please state age, experience, salary required and when free to Superintendent Chemist, Ipswich Co-operative Society, Ltd., 38 Carr St., Ipswich. C 3408

**PHARMACISTS** in Northern Ireland who are desirous of obtaining a position in the London area should write to the address below for details of attractive branch managerial vacancies. Generous remuneration and commission, rota duty payments. Opportunity for extensive tour of relief duties if preferred on salary and expenses basis. Permanencies with pension fund. Application with recent photograph and copy references to Superintendent Chemist, London Co-operative Chemists, Ltd., Grange Rd., Leyton, E.10. C 3434

**SCADDANS** of Reading, require for their Harris Arcade, Reading, premises, a lady pharmacist, suit a recently qualified young lady. Good working conditions in a pleasant shop with large dispensary. Apply, stating experience, age, salary, etc., to G. W. Scaddan, 9 Harris Arcade, Reading. C 3446

**SCADDANS OF READING,** require for their Didcot premises a business man with a pharmaceutical qualification as manager. Good working conditions and a valuable supporting staff to enable progressive manager to increase both takings and wages. Three weeks' annual holiday. vacant small bungalow short distance from shop. Apply, stating experience, wages, etc., to G. W. Scaddan, 9 Harris Arcade, Reading. C 3459

**STOKE-ON-TRENT.** Manager required for small middle-class branch pharmacy. Living accommodation away from business if required. Apply, giving full particulars to R. E. Ridley, 48 Piccadilly, Hanley, Stoke-on-Trent. Phone 2506. C 3480

**SUPERINTENDENT CHEMIST/OPTICIAN**

Superannuation scheme and transfer clause; "N.U.C.O." scale of wages and conditions; present salary £1,127 2s. per annum, with scope for advancement; central and two branches; membership, 37,452; pharmacy sales, £48,397. The Society operates in Lancaster, Morecambe and surrounding districts. Applications, stating age and experience, together with two names for reference, to be forwarded to the Managing Secretary, "L. & D." Co-operative Society, Ltd., 51 Church St., Lancaster, the same to arrive not later than April 10, 1953. (Previous applicants need not re-apply.) C 3467

**TEMPORARY STOCKTAKING** assistants (either sex) required for about four or five weeks commencing as soon as possible. Applicants should be resident in the London or Birmingham areas; possibility of permanency later if required. Please state brief particulars of past experience and salary, etc. Box C 5197.

**THE ROYAL ARSENAL CO-OPERATIVE** Chemists, Ltd., has a vacancy as manager for attractive pharmacy in south-east London. Salary, with bonus and commission, £880 per annum with excellent prospects. Permanent superannuated position. Locum Pharmacist is also required for the holiday season, extending from April to October. Apply, giving full particulars to the Staff Manager, 71 Powis St., Woolwich, S.E.18. C 5238

**UNQUALIFIED** assistant (lady or gentleman) required for good-class pharmacy in pleasant residential area. Mainly for dispensing.—G. W. Mackett, 20 The Grangeway, Grange Park, N.21. Tel. Lab. 1671. C 3476

### LOCUMS WANTED

**LOCUM REQUIRED** first week in each month. Pharmacy within 20 miles London. Please give particulars of salary. Box C 3453.

### RETAIL (OVERSEAS)

**CHEMISTS' ASSISTANTS.** Qualified and unqualified required for Northern Rhodesia. Young, single. Apply, giving full details of experience and copies of references to Keep Brothers, Ltd., Great Charles Street, Birmingham, 3. C 5259

**EAST AFRICA.** Pharmacist, male, preferably young, single, for retail dispensing veterinary and photographic business. Four-year engagement, salary £840 rising to £990 in fourth year plus a share rated at 10 per cent. of the net profits. Passage paid out and back on satisfactory completion of engagement, four months home leave being granted on full salary. For further particulars please apply to Box C 5141.

**TWO PHARMACISTS,** single men, required for retail service in East Africa. Starting salary £810 per annum x £30 to £900 x £50 to £1,100 per annum, including cost-of-living allowance. Four-year tours with annual local leave followed by home leave on full basic pay. Kit allowance and free passage both ways. Contract renewable at end of tour by mutual agreement. Applicants must hold M.P.S. qualification of Great Britain or Northern Ireland. Apply, in writing, giving qualifications and experience. Box C 5187.

### WHOLESALE

**ENERGETIC REPRESENTATIVES** required in all areas to sell trade journal subscriptions on an attractive commission basis. Please write Box C 3460.

**AGENTS REQUIRED**

Agents with good connections required by well-known manufacturers of paper products. Nationally advertised. Also quick-selling Coronation lines. Good references essential. Box No. A.C. 78097, Samson Clark & Co., Ltd., 57/61 Mortimer Street, London, W.1. C142

**POWDERED PRODUCTS**

SUCH as Cosmetic to Distemper Powders, plain, coloured, perfumed etc. as required. Manufactured to buyers' needs, in bulk only.

LARGE PRODUCTION PRACTICABLE VERY LOW PRICES

ENQUIRIES SOLICITED

CHEMICAL MANUFACTURING LABORATORY LTD., TAVISTOCK, DEVON. C 148

### *Situations Open—Continued*

**A COMPANY** marketing "ethical" products requires a pharmacist aged about 30 for appointment as assistant to the Managing Director. Experience as a medical representative is desirable. The post offers a first-class opportunity for a man of capability, initiative and enthusiasm. Apply, giving full particulars to Box C 3374.

**A LONDON FIRM** of manufacturing chemists will shortly have available the position of Chief Pharmacist. The position carries an appropriate salary to the order of, say, £1,300 per annum. Letters, giving full details of qualifications, past posts, particularly those of a manufacturing nature, should be sent to Box C 3471.

**A PROGRESSIVE SPECIALITY** house extending its activities has most attractive openings for fully experienced sales representatives on the following areas:—a, Yorkshire and Northern Counties; b, S.W. London, Surrey, Sussex and Hampshire; c, North London and Home Counties; d, West of England. The products are of exceptional merit with everyday appeal. Applicants must be car owners, possessing strong personal connection amongst chemists, with successful record of creative selling. Salary, expenses and commission to selected applicant who will receive the fullest backing. Only applications containing complete information can be considered. Box C 3482.

**A VACANCY EXISTS** in Provincial House of Manufacturing and Wholesale Chemists for energetic sales manager. Applicant must have thorough knowledge of sales organisation and direction, with practical experience on the road. Qualification preferable but not essential. Good prospects for right man. Apply, giving full particulars of age, experience and remuneration required. Box C 3448.

**AN EXPERIENCED** representative, 25-35 years of age, is required by leading manufacturers of nationally advertised preparations to promote their interests with chemists in London E. and N.E. and the Eastern Counties. Expenses will be paid and a car provided. The appointment is permanent and pensionable. Applicants should give fullest details (in confidence) of age, education, experience, past and present employment and earnings expected to Sales Manager, Box C 5261.

**DEVELOPMENT PHARMACIST**

Pharmacist, preferably with some experience in sterile work, required as Assistant in the Development Department of Evans Pharmaceutical Research and Development Unit. Applications, stating age, full details of education, qualifications and experience, should be addressed to the Pharmaceutical Development Director, Evans Medical Supplies, Ltd., Speke, Liverpool, 19. C 5234

**EVANS MEDICAL SUPPLIES** (Northern), Ltd., require chemists' representative for Northumberland. Age limit 35. Excellent opportunity for young, keen, unqualified chemist. Applications in writing to General Manager, "Tower House," Tower Street, Newcastle-on-Tyne, 1. C 3473

**FACTORY MANAGER** required by old-established manufacturers of tablets, pills and pharmaceutical specialities moving into new premises in S.E. England. Must be pharmacist (male) with practical experience of wholesale tablet and pill manufacture. Knowledge of factory lay-out desirable. Good salary and incentive profits bonus. Write, stating age, qualifications (with dates) experience in detail and salary required to Box C 5262.

**IMPERIAL CHEMICAL INDUSTRIES, LTD.,** has a vacancy at its warehouse situated in the Wimbledon area for a female pharmacist who would be responsible for technical problems arising from storage and transit of packed pharmaceutical products. Five-day week and good working hours. Applications, with full particulars should be addressed to Imperial Chemical (Pharmaceuticals), Ltd., Office Service Department, Fulshaw Hall, Wilmslow, Manchester. C 5231

**MANUFACTURERS** of powder puffs and other quick-selling cosmetic sundries require representatives, all areas including London. Good additional income for men with established agencies and regular contact with wholesale and retail chemists. Generous commission only. Box C 3466.

**MEDICAL REPRESENTATIVES** required by ethical house for two areas: (1) Cheshire and Stoke area; (2) Durham area. Preferably experienced but must have sound pharmaceutical background. Permanent progressive positions for first-class men able to produce results. Substantial salary, expenses and commission. Our staff know of this advertisement. Box C 5265.

**PHARMACIST REQUIRED** as works manager by an old-established S.E. London firm of manufacturing chemists. Previous experience of the manufacture and control of pharmaceutical preparations essential. Permanent progressive position. Five-day week, canteen facilities. Write, giving details of age and experience. Box C 5254.

**REPRESENTATIVE REQUIRED** by well-known perfumery house for territory comprising the Counties of Essex, Hertford, Bedford, Bucks, Oxford, Berks, Wilts and Dorset. Applicant must have an established connection and reside on the territory. Good salary and commission paid, car provided, running expenses and subsistence paid. Apply Box C 3457.

**REPRESENTATIVES,** only with an established connection with chemists or first-aid departments of industrial establishments, required by wholesale and manufacturing house to sell drugs, galenicals, dressings, plasters, F.A. appliances, proprietaries and chemists' sundries. Must be car owner; salary, large commission and expenses, an opportunity of substantial income. Some Home Counties and London territories vacant. Apply to Biorex Laboratories, Ltd., 47/51 Exmouth St., E.C.1. Phone: Terminus 1431. C 3469

**ROCHE PRODUCTS, LTD.,** require a medical representative for South Wales and Monmouthshire. A pharmaceutical qualification though desirable is not essential, nor is previous representative experience. Usual expenses and salary commensurate with experience. Contributory pension scheme in operation. Please send, in confidence, full details of age, experience, etc., to the Secretary, Roche Products, Ltd., Welwyn Garden City. C 5239

**TABLET MAKER**

In connection with development plans Evans Medical Supplies, Limited, have a vacancy for a pharmacist with wide experience in tablet manufacture. The position carries an attractive salary and excellent opportunities for advancement.

The company operates a five-day week and a staff pension scheme.

Applications, stating age and full details of qualifications and experience, should be addressed, marked "Private and Confidential," to the Pharmaceutical Development Director, Evans Medical Supplies, Ltd., Speke, Liverpool, 19. C 5233

**TOILET BAG MANUFACTURERS** require representatives in most areas to carry high-class toilet bags, sponge bags, pochettes, etc., as a side-line on a generous commission basis. Only those already calling on departmental stores and chemists' sundries wholesalers need apply. Box C 3463.

**VETERINARY APPOINTMENT**

The Crookes Laboratories require young executive to control veterinary section of sales department. Qualification is not essential but successful candidate must be sufficiently experienced to undertake veterinary correspondence and compilation of literature and advertising. Apply, in writing, in first instance, giving full details of past experience and salary required to General Sales Manager, The Crookes Laboratories, Ltd., Gorst Rd., Park Royal, London, N.W.10. C 5267

**WARD, BLENKINSOP & CO., LTD.,** require additional medical and veterinary representatives for various parts of the United Kingdom and Eire. Applicants with previous experience of this type of representation should send full particulars to Manager, Medical Products Department, 6 Henrietta Place, London, W.1. C 5241

### WHOLESALE (OVERSEAS)

**FIRST-CLASS OPPORTUNITY** in Canada for young man, age 25-35, with good personality, married or single, experienced fancy goods and toilet requisites trade. Required as manager for British wholesale organisation. Good salary and bonus. Details of passage and accommodation will be discussed at interview in London. Write details of age, experience, etc., to Box C 5244.

**SOUTH AFRICAN** manufacturing chemists require a tablet maker not over 30. Give fullest particulars in first instance prior to interview in London. Box C 3442.

**WELL-KNOWN** chemical manufacturers require a representative with previous sales experience for Brazil. Fluent Portuguese is essential. Previous connections with Brazil and a knowledge of Spanish and German would be an advantage. Candidates must have had a sound education and possess a knowledge of chemistry. Preference will be given to unmarried men within the age group of 25-30 years. Training will be given before proceeding overseas. Apply, initially, in writing, giving full details of qualifications and experience to Box C 5247.

## SITUATIONS WANTED

**3/- for 18 words (min.) then 2d. per word. Box 1/-**

### RETAIL (HOME)

**UNQUALIFIED** dispensing assistant seeks permanency in congenial pharmacy. Used to heavy dispensing and counter. References available. Unfurnished accommodation requested. Can wait for right position. England only considered. T. Parkway, 8 Grange Rd., Ramsgate, Kent. C 3462

### LOCUMS SEEKING ENGAGEMENTS

**LADY DISPENSER** (Apothecaries' Hall) booking locums now. Write Miss Kaye, 33 Edinburgh Avenue, Leigh-on-Sea, Essex, or phone: Leigh-on-Sea 75951. C 3478

### WHOLESALE

**EXECUTIVE,** sales and factory management. 27 years' sound, all-round experience all angles pharmaceutical trade, seeks good position with reputable firm. Box C 3407.

**EXPERIENCED** medical representative (public school education; I.S.M.A. certificate), age 35, married, offers services, either inside or outside. Sound connection hospital pharmacists, supplies officers, etc., Southern Home Counties. Knowledge of surgical dressings and sundries. Car owner. Box C 3465.

**EXPERIENCED** South Wales representative desires change. Well known to all chemists. Full or part-time. Box C 3377.

**MEDICAL PROPAGANDIST** seeks situation in progressive pharmaceutical house, which will encourage his ability, enthusiasm and initiative. Box C 3456.

**REPRESENTATIVE** (37) desires change. Resident East Lancashire. Salary, commission and expenses, anywhere Northern England. Box C 3479.

## AGENCIES

**17/6 for 36 words (min.) then 4d. per word. Box 2/-**

**AGENTS REQUIRED** to call on chemists to sell a glucose drink on commission basis. Write Box C 2470.

## AGENCIES WANTED

**8/6 for 36 words (min.) then 3d. per word. Box 2/-**

**EIRE:** Long-established organisation with 100 per cent. chemist accounts and selling many nationally advertised products is open for additional agency appointments. Staff of five first-class representatives make all contacts at regular 6/7-weekly intervals. Valuable connection with unqualified trade also available if required. Box C 3426.

**NORTHERN IRELAND:** Well-established agency with extensive wholesale and retail chemists and stores connection, and carrying nationally advertised products, is open for additional appointments. Outside staff ensure frequent coverage of the six counties. Box C 3461.

**REQUIRE AGENCIES,** commission basis, drugs and chemicals. Write British & American Shipping Co., P.O. Box 211, Port of Spain, Trinidad, B.W.I. C 5218

**SOUND AGENCIES WANTED.** Experienced rep., long standing chemists' connection, East Midlands, changing to free lance selling. Own car. Manufacturers of good lines with repeat value invited offer terms and details or opportunity discuss. Soundest credentials offered. Box C 3464.

## BUSINESS OPPORTUNITIES

**17/6 for 36 words (min.) then 4d. per word. Box 2/-**

**ADVERTISERS** wish to obtain drugs, medicines, etc., from O.E.E.C. countries and seek contact with importers who can provide facilities. Box C 3454.

**LEADING CONTINENTAL** chemical organisation wishes collaborate with important manufacturer and distributor of pharmaceuticals interested in marketing in United Kingdom ethical products of considerable originality and proved efficacy. Write, in confidence, to Box C 3451.

**REPUBLIC OF IRELAND:** St. Dalmas (Ireland), Ltd., Wholesale Chemists and Druggists, Henrietta Place, Dublin (Branch at Cork), with countrywide sales representation and van delivery, offers its services as sole agents for manufacturing, packing and distributing pharmaceutical and allied lines. C 3378

## WANTED

**17/6 for 36 words (min.) then 4d. per word. Box 2/-**

**HAND TABLET MACHINE,** single punch, for laboratory use. State maximum diameter obtainable. J. F. White & Co., Ltd., Lovington Laboratory, Benson Street, Leeds, 7. C 3475

**LACTOBACILLIN.** Retail price paid, plus postage, for any quantity of Lactobacillin tablets; C. W. Andrew, Chemist, 32 High Rd., East Finchley, N.2. C 3381

**WANTED:** Phthalic anhydride; tallow; ammonium persulphate 98-100 per cent. crystals; copper sulphate 98-100 per cent; neatsfoot oil. Box C 5255.

**WANTED:** 5 tons dense soda ash; 6 tons light soda ash; ½ ton ferric ammonium citrate; 2 cwt. lead acetate; green nickel oxide. Box C 5258.

**WANTED:** Second-hand small ointment mill, 1-cwt. powder mixer, small homogeniser, ointment filler, stirrer-agitator, ointment mixer. All motorised plant preferred, single phase, 240 volt, required by Biorex Laboratories, Ltd., 51 Exmouth St., E.C.1. Phone: Terminus 9494. C 3468

## MISCELLANEOUS SALES

**17/6 for 36 words (min.) then 4d. per word. Box 2/-**

**£300,** complete set of pharmacy fittings comprising 10 ft. drug run, dispensing screen, counter, wall cases, etc., in splendid condition. Full particulars from Mr. H. Barnes, F.V.I., Chemists' Valuer, 4 Charlwood St., Victoria, S.W.1. Telephone: Vic. 5686. C 5243

**40 GROSS** 8-oz. medical flats, W/F screw white alum. cap. Faced Ceresine wads. 22/6 gross, c/pd. London. 7½ gross short corks, 1/- gross. Phone Hatfield 3221. C 5253

**2 CWT. MANUCOL** SS/LH. 5/9 lb. c/pd. London. Phone: Hatfield 3221. C 5252

**ALL TYPES** secondhand tableting plant for sale. Box C 3472.

**BARGAIN!** Cosmetic bags, 6¼ in. x 4¼ in., closing with fine zip, rubberised rayon, cotton, assorted types, colours and designs, 11/6 doz. plus 66⅔ per cent. P.T. (maker's price 16/- plus P.T.). Rubber gloves, seconds, and other bargains available. Haetam, Ltd., 63 Corporation St., Manchester, 4. C 5235

**HONEYPOT FLYPAPERS,** 18/- per gross, 7 gross lots, 16/- per gross. Carriage paid. C.W.O. Thomas & Co., Wholesale Chemist, Llanelly. C 3486

**ONE 5" PREMIER COLLOID PASTE MILL** Model 5000, all internal contact surfaces are in stainless steel, with jacketed stator cover. The mill is mounted on pedestal suitable for belt drive and supplied with mill pulley for mill speed of 3,000 r.p.m. The S/S hopper is fitted with force-feed attachment operated by a ¼ h.p. d.c. motor 240 volt. Horizontal motor coupled to a reduction gear. Phone Hatfield 3221. C 5251

**SACCHARIN TABLETS.** Government standard strength—packets of 100, 1-gross lots, 49s. gross, 5-gross lots, 48s. 6d. gross. Special prices for larger quantities. Registered post by return. Agnew & Simpson, Ltd., 81-87 Oxford St., Glasgow, C.5. C 9991

**WE ANTICIPATE** having available within the next few months, supplies of glycerine B.P. Interested purchasers invited to reply. Attractive prices. Box C 3449.

## PREMISES FOR SALE

**17/6 for 36 words (min.) then 4d. per word. Box 2/-**

**FREEHOLD** factory and warehouse on three floors approx. 11,500 sq. ft. C.H. Price £30,000 vac. poss. St. Quintin, Son & Stanley, Chartered Surveyors, 32 Bishopsgate, E.C.2. Lon. Wall 5316. C 5240

## PREMISES TO LET

**CHEMIST'S SHOP** to let, possibly with flat, on housing estate. Particulars obtainable from Town Clerk, Christchurch, Hants, within ten days from date of this issue. C 3458

## TENDERS

**URBAN DISTRICT COUNCIL OF BLAYDON**
**PARKHEAD ESTATE SHOPPING CENTRE, WINLATON**
**TENDER FOR SHOP**

TENDERS are invited for the tenancy of a shop in course of erection on the Parkhead Estate, Winlaton, Blaydon-on-Tyne, to be used for Pharmacy.

Further particulars of the terms of tenancy together with Tender forms can be obtained from the undersigned to whom they must be returned in a sealed envelope marked "Tender for Shop" on or before Friday, the 17th day of April 1953.

The Council do not bind themselves to accept the highest or any other tender.

CHAS. H. MATTHEWS,
Clerk of the Council.

Council Offices,
Blaydon-on-Tyne.
28th March, 1953. C 5263

## HOLIDAY ACCOMMODATION

**DOUGLAS, ISLE OF MAN.** Hotel Metropole, sea front. Tel.: 2381. Relaxing holiday for the businessman. Fully licensed. Resident Orchestra. Ballroom. Room service. Phones all rooms. Mid-week bookings available. Moderate tariff. Special June rates. Brochure: I. Barker. C 5131

## STOCKTAKING

**17/6 for 36 words (min.) then 4d. per word. Box 2/-**

**QUIET AND ACCURATE** workmanship. Over 30 years' practical experience. Detailed inventories supplied to suit your individual requirements. Your own stock sheets priced. Terms moderate. C. W. Playfoot, 8 Aylward Rd., London, S.W.20. Phone Liberty 4104. C 3344

# The C and D WEEKLY LIST OF PRICE CHANGES

A = Advanced; R = Reduced; I.R.P. = Inclusive Retail Price; * = Tax 33⅓ per cent.; † = Tax 100 per cent.

**BRITISH SCHERING, LTD.** (from March 28)

| | | I.R.P. | | | |
|---|---|---|---|---|---|
| Oblivon capsules | 25 | 8 | 4 | R | |
| | 100 | 25 | 8 | R | |

The above item has been exempted from purchase tax.

**HERTS PHARMACEUTICALS, LTD.** (from March 23)

| | Each | | | | |
|---|---|---|---|---|---|
| Colistatin tablets 0.5 gm. | | | | | |
| 100 | 14 | 0 | 21 | 0 | R |
| 500 | 68 | 0 | 102 | 0 | R |
| powder 25 gm. | 7 | 0 | 10 | 6 | R |
| 100 gm. | 27 | 8 | 41 | 6 | R |
| 500 gm. | 135 | 8 | 203 | 6 | R |
| Thalistatyl tablets 0.5 gm. | | | | | |
| 50 | 5 | 8 | 8 | 6 | R |
| 100 | 10 | 8 | 16 | 0 | R |
| 500 | 51 | 8 | 77 | 6 | R |
| powder 100 gm. | 21 | 0 | 31 | 6 | R |
| 500 gm. | 103 | 0 | 154 | 6 | R |

**PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD.** (from March 23)

| | | I.R.P. | | | |
|---|---|---|---|---|---|
| Ephedrine hydrochloride | | | | | |
| gr. ½ | 100 | 2 | 0 | R | |
| | 500 | 5 | 9 | R | |
| | 1,000 | 10 | 6 | R | |
| gr. ¼ | 100 | 2 | 9 | R | |
| | 500 | 9 | 6 | R | |
| | 1,000 | 18 | 0 | R | |
| gr. 1 | 100 | 4 | 6 | R | |
| | 500 | 17 | 9 | R | |
| | 1,000 | 34 | 6 | R | |

The price of 25 gr. ¼ tablets and the 25 gr. ½ tablets is unchanged.

## NEW PRODUCTS AND PACKS

**ABBOTT LABORATORIES, LTD.**

| | | |
|---|---|---|
| Selsun suspension* 4-fl.-oz. | 12 | 6 |

**ALLEN & HANBURYS, LTD.**

| | Each | | |
|---|---|---|---|
| Penicillin for eye drops | | | |
| 100 | 11 | 8 | |

**DUNCAN, FLOCKHART & CO., LTD.** (from April 1)

| | | |
|---|---|---|
| Xylocaine gel 30-mil | 6 | 0 |

**SHARP & DOHME, LTD.**

| | | |
|---|---|---|
| Adetate elixir* 4-oz. | 7 | 5½ |
| dispensing pack 16-oz. | 24 | 0 |
| Liquor Diastos* 4-oz. | 4 | 11 |
| dispensing pack 16-oz. | 13 | 6 |

**SPA BRUSHES, LTD.**

| | | |
|---|---|---|
| Tooth-brush in "Queen Elizabeth" holder | 2 | 6 |

**THE FOUNTAIN PRESS (BRITISH PERIODICALS, LTD.)**

| | Doz. |
|---|---|
| Photographic booklets | 9 |

## P.A.T.A. PROTECTED LIST Part 1

**ADVANCE INDUSTRIES, LTD.** (addition)

| | | | | |
|---|---|---|---|---|
| Dispel | 18 | 0 | 2 | 0 |
| refill | 15 | 9 | 1 | 9 |

**OSBORNE, GARRETT & CO., LTD.** (addition)

| | | | | |
|---|---|---|---|---|
| Decker's bay rum† | 18 | 0 | 3 | 9 |
| Sheen† | 14 | 0 | 2 | 11 |

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and published by the Proprietors, MORGAN BROTHERS (PUBLISHERS), LIMITED, at 28 Essex Street, Strand, London, W.C.2. 56/24

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ADRENALINE
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**Aniseed, Bay, Cajuput, Juniper Peppermint, etc.**

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**Terpeneless Oils and Isolates Perfume Concentrates**

*(We manufacture a wide range of **Floral** and **Speciality** type bouquets for all classes of trades)*

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**DEGA WORKS, WALMGATE ROAD, PERIVALE, GREENFORD, MIDDLE**

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# ASPIRIN and ASPIRIN TABLETS

# BARBITURATES

QUINALBARBITONE SODIUM, CYCLOBARBITONE, PHEMITONE, BUTOBARBITONE, AMYLOBARBITONE, HEXOBARBITONE, ALLOBARBITONE, PHENOBARBITONE, ETC., ETC.

Manufactured by

## PIERSON, MORRELL & CO. LTD.

THE ORIGINAL BRITISH ASPIRIN MAKERS

**BARNET,** Herts

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*printed or embossed if desired*

**ALSO SCREW CAPS** in standard sizes in **TINPLATE, ALUMINIUM** or **PLASTIC** to a consistently high standard of quality and finish

*Daniel* **MONTGOMERY** & SON, LTD

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*EST. 1848*

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**SURGICAL ELASTIC HOSIERY**

SEAMED, SEAMLESS
TWO-WAY STRETCH
ELASTIC NET

SURGICAL BELTS
TRUSSES AND SUNDRIES

*Over 60 years' service of everything surgical*

**SURGICAL HOSIERY CO., LTD.**

Russell Street, NOTTINGHAM

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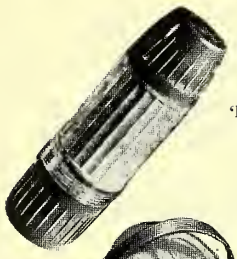
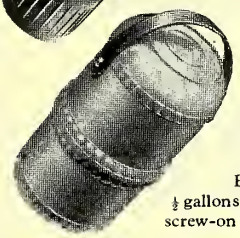
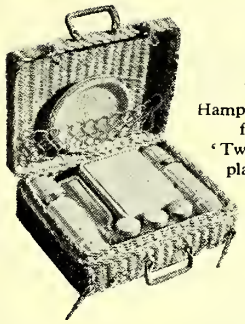


'Twinkup' flask with *two* 'Koolgrip' cups.



The new wide-necked FOOD JAR ½ gallon size)—with two screw-on serving bowls.



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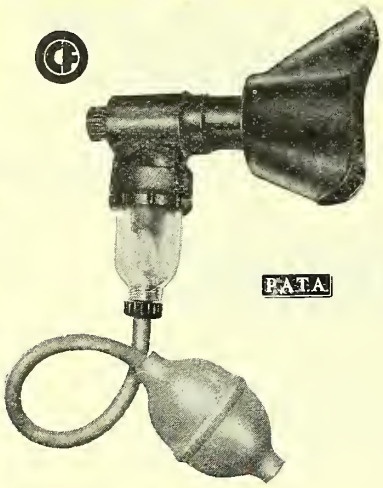


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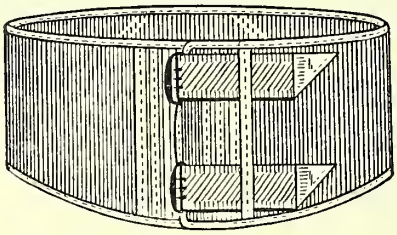

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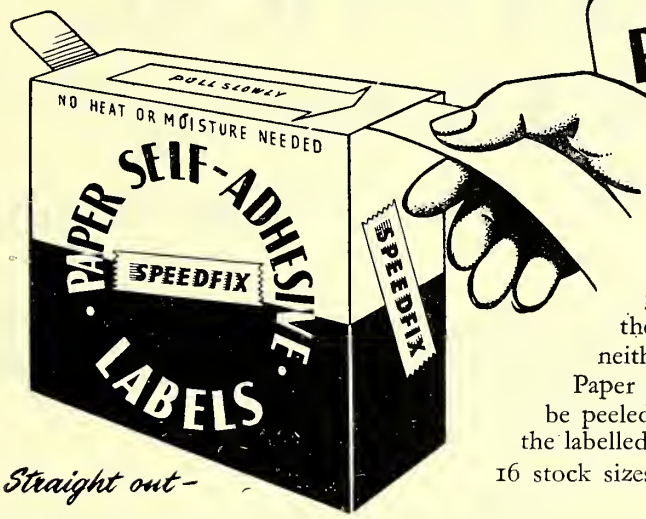


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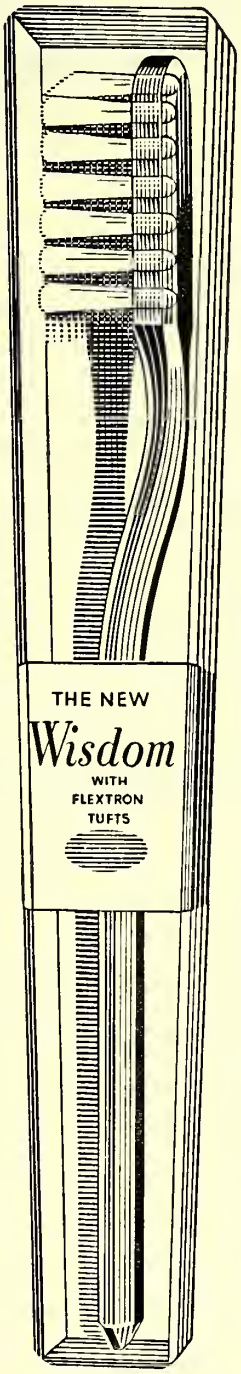


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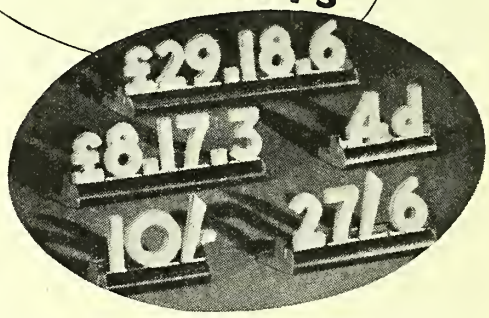


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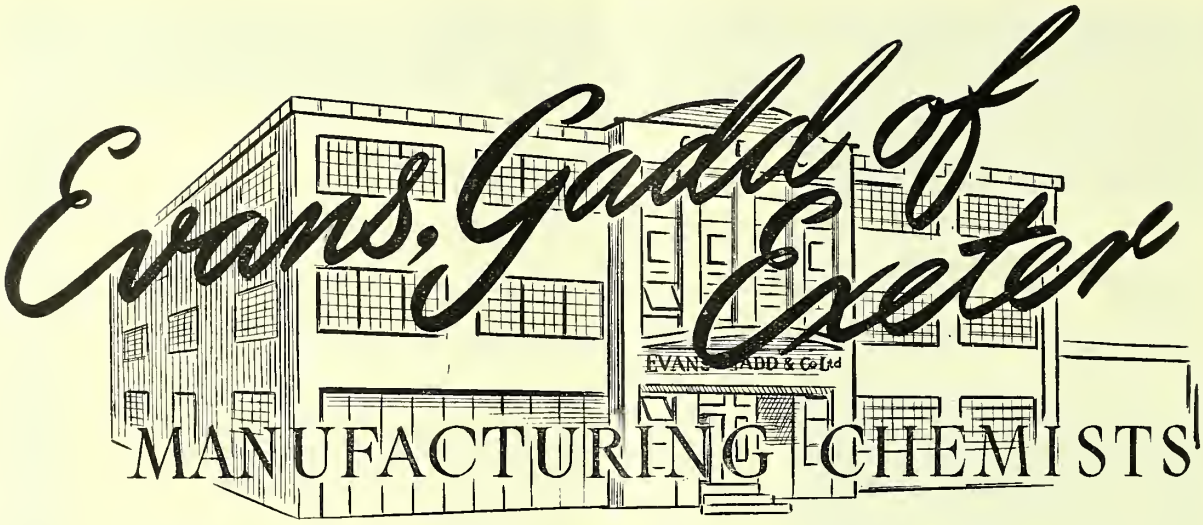


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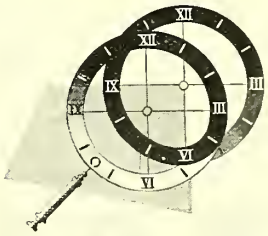

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Volume 159 April 4, 1953 No. 3815

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The CHEMIST AND DRUGGIST

Volume 159 APRIL 4, 1953 No. 3815

# Manufacturers see Minister

## TAX REMISSION OF MEDICINES SOUGHT

A DEPUTATION from the pharmaceutical industry obtained from the Financial Secretary to the Treasury on March 23 a promise that their claim for the exemption of medicines from purchase tax would receive detailed consideration by his Department.

The Financial Secretary to the Treasury (Mr. J. A. Boyd-Carpenter) received the deputation, which was from the Association of British Pharmaceutical Industry, and heard their representations regarding the exemption from purchase tax of all drugs and medicines.

Mr. H. N. Linstead, O.B.E., M.P. (a secretary of the Pharmaceutical Society) introduced the deputation to the Financial Secretary and gave support in the discussion.

The deputation consisted of Messrs. I. V. L. Fergusson (Evans Medical Supplies, Ltd.), and H. C. H. Graves (Vitamins, Ltd.), together with the secretary and the assistant secretary of the Association. Also present were Messrs. A. M. Seed (Customs and Excise) and K. R. Couzens (Treasury).

The Financial Secretary promised that the matter would have "careful and detailed consideration" by his Department.

A memorandum presented to the Financial Secretary and his staff stated that the Association was convinced that peculiar circumstances applied to the industry. Ethically and politically there was an undisputed case for the abolition of tax on sickness. The arguments were effectively stated in the Debate on the Finance (No. 2) Bill in the House of Commons on June 2, 1948. [See *C. & D.*, 1948. I. 756]

The basis of the Association's case was that purchase tax as at present levied on drugs and medicines resulted in:—(a) Restriction of exports; (b) restriction of scientific progress; (c) illogical anomalies which senior officers of Customs and Excise, of the Ministry of Health and the best brains of the industry have been unable to avoid.

The present basis of tax was exemption to, say, 60 per cent. by value of drugs and medicines sold in the home market provided certain conditions were complied with; and 33⅓ per cent. tax on the remaining 40 per cent. Those conditions resulted in the pharmaceutical industry being the only industry known to the Association to be precluded from selling its products under individual brands.

Detailed discussions with Customs and Excise and with the Ministry of Health had shown that the removal of the onerous and restrictive effects of those conditions, and of the anomalies referred to could only be achieved by abolition of purchase tax on drugs and medicines.

The Anglo-American Pharmaceutical Productivity Team, together with several top management executives within the industry who had visited America, had emphasised the increased productivity that results from standardisation and long production runs. Within the industry, many steps of a somewhat revolutionary nature had been taken to reduce the range of products and packs so as to permit of very much longer runs. The present necessity for separate home and export packs, arising in a large measure from the conditions referred to, stood in the way of further standardisation.

The product for home consumption became in many instances, unsaleable in overseas countries.

The deterrent to scientific progress could be instanced by the fact that a new antiseptic, the outcome of original research, which was accepted as superior to any other on the market, including those qualifying for exemption, was subject to purchase tax.

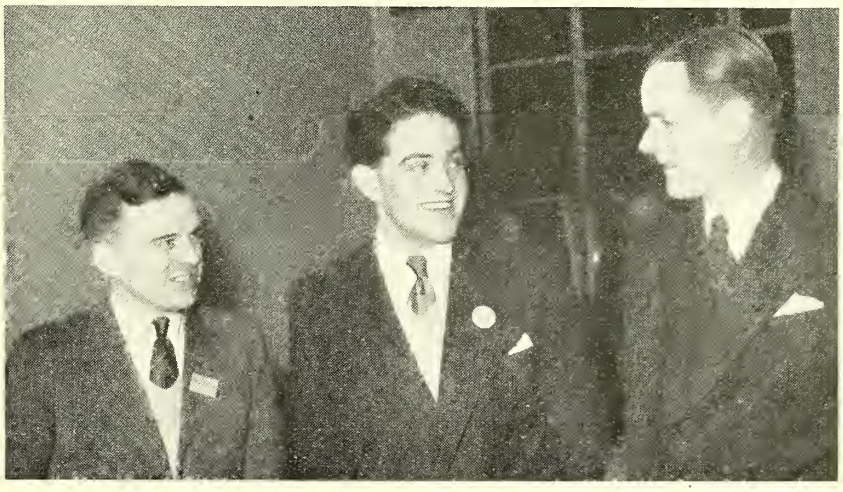
If purchase tax were removed from drugs and medicines the net loss to the Exchequer would be considerably less than £10·6 million, or whatever is the true figure, since there would be an expected saving of an estimated £625,000 on that part of the National Health expenditure which is attributable to purchase tax; an indirect saving on National Health Service expenditure due to the added inducement for the public to purchase simple proprietary household remedies from the chemist instead of obtaining them on prescription; and a further indirect saving in the National Health Services Drug Bill resulting from the reduction in costs—and therefore prices—which would be achieved by larger production runs of standard packs for home and export and in consequence of the saving in man-power.

## COUNCIL NOMINATIONS

### Twenty-one Candidates

THE following nominations of candidates for the election of seven members to the Council of the Pharmaceutical Society in May have been received and accepted by the secretary and registrar of the Society:—

BENJAMIN, William Sidney, London
BLOOMFIELD, James Cecil, Portsmouth
BROCKLEHURST, Eric Arthur, Hull
BURR, Mary Agnes, Nottingham
CONNELLY, Frederick Henry, London
COOPER, William, Bristol



**STUDENTS' CONFERENCE OPENING SESSION: Photographed at the opening session of the eleventh annual conference of the British Pharmaceutical Students' Association (see p. 338), Messrs. J. A. Box (treasurer of the association), M. Baum (chairman, Sunderland branch, B.P.S.A.) and D. A. Scott Cairns, Q.C. (chairman of the Statutory Committee of the Pharmaceutical Society).**

DURHAM, Stanley, Sheffield
GOODALL, Edward John George, Worthing
GRAVES, Henry Jarvis, Exmouth
HALL, Walter, Coventry
HESELTINE, Thomas, Normanton
HINCKS, Mildred Janet, Slough
HUGHES, Gwilym Hyall, Colwyn Bay
MACFARLANE, Charles William, Dundee
PRIESTLEY, George Henry, London
ROBINSON, Eric, Bradford
SEARLE, Thomas Edwin, Willingdon, Eastbourne
STEINMAN, Harry, Manchester
WEEKS, Albert Edward, Tredegar
WELLS, Frederick George, London
WILLIAMS, Basil Allen, Brentford

## DANGEROUS DRUGS

### Consolidated Regulations

THE Home Secretary has made an Order (S.I., 1953, No. 499) which came into force on March 31 and which consolidates with amendments certain regulations concerned with Dangerous Drugs. The amended regulations apply to all substances to which the Dangerous Drugs Act, 1951, applies except:—

Pil. Ipecac. c. Scilla, B.P.C. 1934.
Pil. Hydrarg. c. Cret. et Opii, B.P.C. 1949.
Pulv. Cretae Aromat. c. Opio, B.P. 1948.
Pulv. Ipecac. et Opii, B.P. 1948.
Suppos. Plumbi c. Opio, B.P.C. 1949.
Guttae Cocainae et Hydrargyri Perchloridi Oleosae, B.P.C. 1949.
Mixtures of Pulv. Ipecac. et Opii, B.P. 1948 with any of the following:—
Hydrarg. c. Cret. B.P. 1914 and B.P. 1948.
Acetylsalcylic Acid.
Phenacetin.
Quinine and its Salts.
Sodium Bicarbonate.
Any preparation, admixture, extract or other substance containing any proportion of methylmorphine, ethylmorphine, morpholinylethylmorphine, dihydrocodeine or their salts.

The principal amendments made by the Order are: (*a*) the provisions of Regulation 7 (3) of the Dangerous Drugs Regulations, 1937, relating to the withdrawal from a medical practitioner or dentist of authority, after reference of the matter to a tribunal, to possess and supply drugs are not reproduced; (*b*) amended provision is made in the case of midwives by Regulation 13 (4) under which they may possess and administer opium and pethidine procured upon an order signed by the medical officer of health or a person authorised by him up to a specified amount; (*c*) morpholinylethylmorphine and dihydrocodeine, which would otherwise be subject to the strict control imposed by Part II of the Regulations will now be subject to the less strict control imposed by Part III (on substances such as codeine); (*d*) new provision is made enabling the authority of a person of unsound mind or undergoing mental treatment to possess and supply drugs to be withdrawn; (*e*) the Home Secretary is empowered to restore an authority which has been withdrawn, or suspend a withdrawal; (*f*) a person who is authorised to possess or supply drugs and has had his authority to do so in Northern Ireland withdrawn will cease to be an authorised person in Great Britain; and (*g*) the provisions of the Regulations regarding possession of drugs will not apply to possession by a carrier in the ordinary course of his business.

## CHEMISTS FEDERATION

### Meeting of Council

A MEETING of the Chemists Federation council was held on March 5, the president (Mr. S. M. Lennox) in the chair. Meetings of the finance and establishment, propaganda, and standards committees were held on the previous day. Mr. C. H. Jones was elected vice-president of the Federation for the year ending January 31, 1954. Mr. Jones has been a member of the C.F. council since September 1947 as a representative of section A wholesalers. The council approved the following additions to the C.F. List:—Paines & Byrne, Ltd., Khellanals; Sharp & Dohme, Ltd., Pentresamide, and Procasenol; Wigglesworth, Ltd., ephedrine Inhalex buffered isotonic nasal solution.

It was reported that the secretary addressed a C.F. meeting of the Keighley and Craven Branch of the National Pharmaceutical Union and C.F. matters were discussed at an N.P.U. Branch meeting at Warrington which was also addressed by the secretary. A report on C.F. matters was made to the N.P.U. branch delegates' conference in London on February 26 (*C. & D.*, March 7, p. 228), and resolutions which had been submitted by many branches were discussed. The assistant secretary reported upon the propaganda work which he had undertaken among chemists in Leicester. The council approved a recommendation that where C.F. manufacturers have a sales agreement with chemists in respect of any of their products which can be supplied on a National Health Service EC10 form, such products should be available to any chemist contractor without undue delay through the wholesale trade or otherwise.

## TAX-FREE DRUGS

### New List Published

THE Purchase Tax (No. 1) Order, 1953 (S.I., 1953, No. 479), effective from March 28, brings into force a new list of drugs and medicines which are free of purchase tax and supersedes the existing list shown in the Purchase Tax (No. 5) Order, 1952. All drugs previously exempt under the revoked Order remain exempt but certain substances formerly classified by their chemical names have been entered according to the name approved by the British Pharmacopœia Commission. They include the following (proprietary or other names in parenthesis): Gentisic acid and salts; menthanthelinium bromide (Banthine); caramiphen and salts (Parpanit); methadone and salts (Physeptone); phenylbutazone (Butazolidin).

Drugs appearing for the first time include: 3-Diethyamino-1:1-dithienyl-1-butene hydrochloride (Themalon); 3-methylpentynol-3 (Oblivon, Somnesin); phentolamine and salts (Rogitine), and bromodiphenhydramine.

Hexochloroethane and 5-nitro-2-furaldehyde semicarbazone (nitrofurazone, Furacin) are transferred to head III of the schedule. Phenothiazine, whether or not mixed with copper sulphate or cobalt sulphate or both is also included under head III. Calcium borogluconate can now have any salt of magnesium mixed with it and be free of tax.

## LONDON CONFERENCE

### Plans and Awards

THE local executive committee of the British Pharmaceutical Conference, London, August 31 to September 4, announces that the Conference ball is being held in the Savoy Hotel (Embankment entrance) from 8 p.m. on Friday, September 4, to 2 a.m. on September 5. The price of the book of Conference tickets has been fixed at £7 7s.

The secretaries of the British Pharmaceutical Conference announce that the trustees of the Corfield Memorial Fund are shortly making awards from the fund. Particular regard is being paid to encouraging the presentation at the British Pharmaceutical Conference of papers of high quality by young pharmaceutical research workers. Applications for assistance from the Fund are invited from young research workers in pharmaceutical chemistry and should be sent to the Secretaries, British Pharmaceutical Conference, 17 Bloomsbury Square, London, W.C.1, so as to be received not later than May 31.

## COSTLY DRUGS

### New Payment-on-account Limit

THE Ministry of Health announced on March 25 that the limit for the C class of expensive prescriptions that may be sent to the Pricing Bureau for advance pricing has been altered as follows:—(C) *Groups of prescriptions, bulk or otherwise* (not necessarily for the same drug): no prescription to be less than £1 5s. net ingredient cost, and the total net ingredient cost of the group to be not less than £25. The new limit came into force on April 1, for the other limits classes are unchanged (see *C. & D.*, 1952.I.334).

## IRISH NEWS

### Shops Bill Withdrawn

OPPOSITION to the Shops (Amendment) Bill in Northern Ireland has led to its withdrawal and the appointment of a Select Committee to consider the present state of shops legislation and make recommendations (see *C. & D.*, March 28, p. 307).

### Irish Drug Association

AT the suggestion of the Cork and District Chemists' Association, Mr. W. A. Fielding, M.P.S.I., Magazine Road, Cork, has been co-opted a member of the Committee of the Irish Drug Association to fill a vacancy. At a special general meeting of members of the I.D.A. held in Dublin recently wage increases of 6s. per week were agreed to for employees in pharmacy. The 1953 Price List has been distributed

and any I.D.A. member who has not received a copy is requested to communicate with the secretary. In addition a 1953 Drugs, Chemicals & Sundries List will be distributed to members when received from the printers. Matters dealt with by the I.D.A. Committee at recent meetings included allegations of price cutting; complaints regarding leakages of Approved lines; selling of stocks at cut prices by a chemist closing his pharmacy; and discounts to members of the medical profession. The following were elected members of the Association: J. Cassidy, Ph.C., 94 Aughrim Street, Dublin; J. J. Campbell, Ph.C., Dunlo Street, Ballinasloe, co. Galway; Miss A. Clarke, Ph.C., 5 St. Gall's Gardens, Milltown, Dublin; M. F. Dougan, Ph.C., 30 Mitchell Street, Clonmel, co. Tipperary; P. Fitzgibbon, Ph.C., 55 Roches Street., Limerick; T. B. Foley, Ph.C., Bridge Street, Westport; Miss M. Gilligan, Ph.C., 2 Broad Street, Limerick; G. F. Hinchy, Ph.C., 7 Parliament Street, Cork; D. Hill, Ph.C., 41 Grattan Square, Dungarvan, co. Waterford; M. J. Lane, R.D., The Drug Stores, Rosbrien, co. Limerick; Mulligan & Irwin, Ltd., The Chemists, Omeath, co. Louth; P. J. O'Brien, Ph.C., 52 Dawson Street, Dublin; S. B. O'Brien, Ph.C., 61 Phibsboro Road, Dublin; M. C. O'Leary, Ph.C., The Pharmacy, Main Street, Boyle, co. Roscommon; Miss E. M. Owens, Ph.C., Wright's Medical Hall, Balbriggan; W. A. Quirke, Ph.C., 53 O'Connell Street, Clonmel; P. T. Ruddy, Ph.C., 5 Oliver Plunkett Street, Cavan; Miss S. Sheahan, Ph.C., Bridge Street, Miltown, co. Kerry; M. Tyrell, Ph.C., Killimor, Ballinasloe; Walsh's Pharmacy, Main Street, Cappoquin, co. Waterford.

## NEWS IN BRIEF

**West Ham Jubilee Dinner.** — The guests in kilts illustrated in the report of the West Ham jubilee dinner (*C. & D.*, March 14, p. 261), were Messrs. J. Robertson and J. F. McNeal, and not as stated.

**Chemical Society Officers.** — At the annual meeting of the Chemical Society held in London on March 27, Professor R. D. Haworth was elected *Vice-president.* Professor C. K. Ingold retains the office of *President* of the Society.

**Annual Licensing Sessions.** — At local licensing sessions recently the following were granted the licences shown in parentheses:—E. G. Howell & Sons, Ltd., Cardiff, Glamorganshire (medicated wines for their Taffs Wells, Cardiff branch); Mr. W. H. P. Clarke, M.P.S., 139 Collington Road, Saltash, Cornwall (to sell wine and cider for consumption off the premises); Mr. Roy Pilkington, M.P.S., Birkenhead, Ches (medicated wines) for shops at 100 Ford Road, Upton, Ches, and 40 Upton Road, Birkenhead. Applications for licences to sell intoxicating as well as medicated wines from Messrs. Robert B. Key, M.P.S., Workington, Cumberland, Thomas Eden, M.P.S., Workington, and R. D. Horton, M.P.S., Bridgwater, Somerset, were refused. Mr. J. G. Jeavons, M.P.S., Norton-on-Tees, co. Durham, was refused a licence to sell wines and spirits.

# TOPICAL REFLECTIONS

By Xrayser

## *That Second Draft*

The second draft revised statement on matters of professional conduct issued by the Council of the Pharmaceutical Society (p. 313) is an improvement on the corresponding statement summarised in the *C. & D.*, 1952.II.141. In fairness to the Council it must be recognised that the statement is not called a code of ethics. But I have gained the impression that most members of the Society regard it as a code of ethics. It is to be hoped that it will be carefully scrutinised before the date of the Society's annual meeting, and will be discussed there impartially. My view is that, whatever it may be designated, it is too elaborate and too detailed. As the writer of an interesting article on a related subject points out (p. 321), a code of ethics "should seek to establish broad principles and avoid too much detail." There are a few anomalies to be found. Clauses 3 and 7 (a) limit descriptions of qualifications to "those of which the use is restricted by law," and (b) allow the use of the term "dispensing chemist" in circumstances "not normally regarded as advertising." If Sections 3(1) and 9(2) of the Pharmacy and Poisons Act, 1933, have not been modified by any subsequent enactment, it appears that a pharmacist will not be able to describe himself in an advertisement as a dispensing chemist, but a body corporate will be unrestricted. In Clause 5 the word "or" should presumably be "nor," the sentence being obscure. Clause 2, referring to preventing avoidable risk of error, is superfluous. Clause 20, imposing a veto on "articles for medicinal use designated by the Council as undesirable," is unreasonable: no Council should be entrusted with such wide powers as the clause would give.

## *New Limits for Candidates*

The recent discussion by the Council of the Pharmaceutical Society of Northern Ireland on examinations (p. 316) is of considerable interest to educationists in other countries and, indeed, to pharmacists everywhere. Briefly, the recommendation of the Education Committee, adopted (though not by a unanimous vote) by the Council, is that candidates for the Part I examination shall be limited to three attempts, with discretionary power for the board of examiners to permit a fourth attempt; and the candidates failing in the Part II examination shall be directed to take a further course in one or more subjects, with authority for the Board to recommend, when insufficient improvement is found, that those candidates be not permitted to attempt further examinations. The discussion by the councillors at the meeting shows that in this matter there are several factors to be considered, including the credit of pharmacy and the future of unsuccessful candidates. The subject in its general aspects is well worth discussion at meetings of associations of pharmacists.

## *An Old Manchester Pharmacy*

The excellent drawing on p. 311 of the Manchester pharmacy of Mottershead & Co. revives memories of British Pharmaceutical Conference meetings and other events. In 1790 this business was carried on in premises in the Market Place, not far from its present central position, and its owner was Thomas Staines: it is believed to be still older. By 1815 Staines had taken John Mottershead, his nephew, into partnership. In the following year the senior partner died. Removal to the present premises took place in 1874. During the 'sixties Mr. Thomas Roberts, sole proprietor after the death of Mr. Mottershead, who was his uncle, appointed as joint managers Mr. F. Baden Benger and Mr. Standen Paine; on his retirement they purchased the business and carried it on till 1891, when they concentrated on the manufacture of foods and other preparations. They were succeeded in the pharmacy by Mr. A. E. H. Blackburn and Mr. F. Jackson as partners. It may be remembered that Mr. Blackburn and Mr. William Kirkby were honorary consulting apothecaries to Manchester Royal Infirmary. When the Manchester Branch of the Pharmaceutical Society was formed in 1842, Mr. Mottershead was its first president.

# LOCAL DINNERS AND DANCES

NOTTINGHAM

## Students as Guests

THE Nottingham Branch of the Pharmaceutical Society held a dance and social evening in Nottingham recently. Mr. Granville Shaw (chairman) welcomed about 100 pharmacy students from the University of Nottingham who were guests of the Branch. During an interval in the dancing the students provided entertainment comprising two songs, a humorous monologue and a sketch, written and produced by the women students, illustrating the development of motion pictures.

BIRMINGHAM

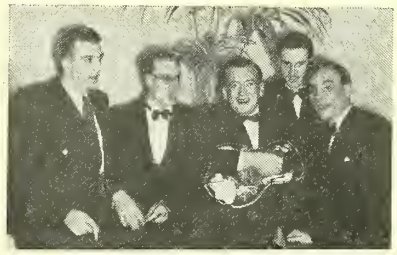
## Other Branches Represented

AT the annual dinner and dance of the Birmingham Pharmaceutical Association and Branch held in Edgbaston on March 11 more than 200 members and friends were present, including representatives from the Wolverhampton, Dudley and Stourbridge, Walsall and Coventry Branches of the Pharmaceutical Society. Mr. C. McArdle (president of the Association) was in the chair. The chief guests included Mr. F. W. Adams (a secretary and registrar of the Society), Professor S. F. V. Smout (Birmingham University), Councillor W. F. Smith (a member of the Birmingham health committee), Messrs. W. A. Bales and H. S. Linton (chairman and secretary respectively, Coventry and Warwickshire Branch). A raffle held during the evening raised £15 for the Society's Benevolent Fund.

LEICESTER

## Old Students Foregather

A COMPANY of over 160 attended the annual reunion dinner and dance of the School of Pharmacy, Leicester College of Technology and Commerce, held at Leicester recently under the chairmanship of Mr. Colin Gunn (head of the School). They included past and present students, members of the staff of the pharmacy and allied departments, and the chairman of the Leicester City Education Committee and its College Committee. The principal guest was Dr. H. Davis (chief



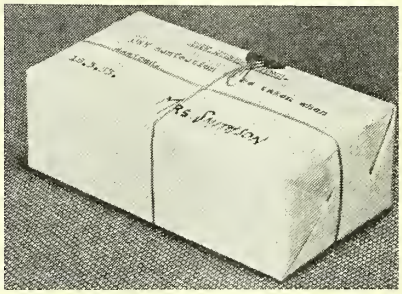
A Caribbean touch at the Leicester reunion.

pharmacist, Ministry of Health) who replied to the toast "The Guests" proposed by MR. J. E. ADDERSON (a member of the staff). DR. DAVIS spoke of embarrassing moments he had experienced as an examiner of the Pharmaceutical Society. He advised students to cultivate a "healthy scepticism" and to get away from purely academic work. Entertainment was provided by calypso singers (Messrs. D. Mill, K. Mugglestone, A. Bramham, F. Frost), students under the leadership of Mr. Adderson (the guitarist).

READING

## Response by a Lord-mayor-elect

DISTINGUISHED guests present at the annual dinner and dance of the Reading Branch of the Pharmaceutical Society on March 18 included the mayor and mayoress of Reading, the deputy mayor and other members of the Corporation, the medical officer of health, the president of the Reading chamber of commerce, chairman of the Berkshire and clerk of the Reading Executive Councils, the secretaries of the local Medical, Dental and Optical Committees, and the head



Prescription—"The Confections"—presented to each lady present at the annual dinner and dance of the Reading Branch of the Pharmaceutical Society.

of the department of veterinary science, Reading University. The honorary branch PRESIDENT (Mr. Vasey, now over ninety years of age) proposed the loyal toast, and in doing so expressed the desire that the Pharmaceutical Society should become the Royal Pharmaceutical Society. MR. R. H. BLURING (pharmacist at the Fair Mile mental hospital) acted as toastmaster and officially welcomed the MAYOR (Councillor F. Lewis), who, in his response, mentioned that Reading was this year celebrating the 300th anniversary of its first Royal Charter and sketched some of the town's historical background. "May you," he wound up by saying, "in the scientific sphere add greatly to the honour and distinction of the borough."

The toast of the Pharmaceutical Society was proposed from the chair by MR. H. C. PACEY, who said that for the first time ever a pharmacist would hold, for a brief period of overlap, the dual offices of president of the Pharmaceutical Society and lord mayor of a great city, for Mr. W. J. Tristram had been chosen as Liverpool's chief civic dignitary in Coronation year. Mr. Pacey said that the Reading branch was almost the Pharmaceutical Society in miniature. Among its 160 members were representatives of every sphere of pharmacy, and from its inception it had done what it could to further the Society's objects.

MR. W. J. TRISTRAM, replying as president of the Society, hoped that the Reading Branch, whose success was a tribute to its officers and members, would continue to be one of the most active. Dancing followed until 1 a.m.

NORTH STAFFORDSHIRE

## Tribute to Society's Flood Fund

THE North Staffordshire Branch of the Pharmaceutical Society held its annual dinner and dance in Hanley, Stoke-on-Trent, recently, Mr. R. E. Ridley (chairman) presiding. After the loyal toast proposed by THE CHAIRMAN, the DEPUTY LORD MAYOR of Stoke-on-Trent (Alderman G. L. Barber) proposing "The Pharmaceutical Society" congratulated the Society on its flood fund effort. THE PRESIDENT of the Society (Alderman W. J. Tristram) replied giving details of the fund. Proposing "Our Guests," MR. RIDLEY, referred to the care which people in North Staffordshire took of the medicines and tablets they received. It was to their credit that, so far as he knew, no serious accident had occurred through carelessness in the storage of medicines in homes. In reply, MAJOR A. ROBERTS (a member of the Pathological Society of Great Britain and Ireland) said the present age was one in which new drugs were discovered daily. Britain had the best doctors and pharmacists in the world. Mr. Ridley presented the previous year's chairman (Mr. D. Ross) with a replica of the badge of office. Among the guests were Mr. F. W. Adams (registrar of the Society) and Miss M. C. Jones (warden of the Society's convalescent home).

THAMES VALLEY

## Golden Jubilee

THE golden jubilee dinner and dance of the Thames Valley Pharmacists' Association and Branch was held in London on March 11. Mr. W. S. Howells (chairman of the Association and treasurer of the Pharmaceutical Society) presided and the principal guest was was Mr. T. Heseltine (vice-president of the Society). Other guests included Messrs. F. C. Wilson (immediate past-president of the Society), H. Noble (secretary, National Pharmaceutical Union) and H. Newitt (chairman, Wimbledon Pharmacists' Association).

Proposing "The Thames Valley Association," MR. HESELTINE referred to past and present members who had risen to fame in pharmacy. MR. HOWELLS, in reply, recalled that at the Association's inauguration dinner there had been one member who was present at this, the fiftieth anniversary—Mr. Leonard Higgs who had always been actively associated with the Association. The members of the Association, he said, wished to show their appreciation of his services and had decided to present Mr. Higgs with an inscribed silver cigarette box. Mr. Howells then made the presentation.

Thanking his colleagues, MR. HIGGS said how much he appreciated the recognition of his services; he had very much enjoyed the work he had put into helping the Association, and he hoped to be able to continue to do so for a long time yet.

1903
50 YEARS!
1953
THE THAMES VALLEY
PHARMACISTS' ASSOCIATION
GOLDEN JUBILEE
DINNER & DANCE
MARCH 11th 1953
HON. VICE-PRESIDENT
A. LEONARD HIGGS
FOUNDER-MEMBER 1903
WAS PRESENTED WITH
A COMMEMORATION GIFT
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HON. N.P.U. Br. Secty.
RADIO "CHEMIST" TOO
H.J. NEWITT
PRESIDENT
WIMBLEDON BRANCH
Faces sketched at the Criterion Restaurant — bodies & "business" from information received by "C&D" artist
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## LEGAL REPORT

**An Appeal Allowed.**—The Court of Appeal, London, on March 31, allowed the appeal of Gorgate Products, Ltd., formerly C. L. Bencard (1934), Ltd., Dereham, Norfolk, from the judgment of Mr. Justice Vaisey in the Chancery Division on November 19, 1952 (*C. & D.*, 1952.II.735), in favour of Nordisk Insulinlaboratorium, Danish makers of insulin, for £3,546 which they claimed in respect of insulin sold by the appellants to Boots Pure Drug Co., Ltd., Nottingham. The amount of the claim represented the profit which the Nordisk company said the appellants had made on the sale, and which sum the Nordisk company claimed the appellants held as their trustees.

The Nordisk company's case was that the appellants marketed their products in the United Kingdom as the company's agents; that just before the 1939-45 war they deposited in the U.K., with the appellants' help, insulin to the value of £13,169. It was alleged that, when the Nordisk company became "enemies," the appellants bought the insulin from the Custodian of Enemy Property for £9,623, and sold it to Messrs. Boots for £13,169. At the end of the war Nordisk said that the appellants refused to account to them for that sum. The appellants denied owing any fiduciary duty to the Nordisk company and declared that any agency that existed was terminated on the invasion of Denmark and that they were not liable to account to the Nordisk company for the profits on the transaction. Mr. Justice Vaisey held that the appellants should have paid over the profits to them.

The Master of the Rolls said that any fiduciary relationship that existed between the parties was put an end to by the war. The insulin was not, at the relevant time, the property of the Nordisk company, and whatever might be said in other circumstances and in other cases, the appellants, on the facts of this case, were not disentitled to make their plea. The question was whether the court could discern any equity that would entitle the Nordisk company to receive the profit made on the sale of the insulin to Boots. The answer was in the negative. The Court agreed that no charge of fraud or misrepresentation had been made against the appellants in respect to the sale. Leave to appeal to the House of Lords was granted.

## BUSINESS CHANGES

EVANS MEDICAL SUPPLIES (NORTHERN), LTD., are removing to Tower House, Tower Street, Newcastle-on-Tyne, 1. The telephone number is unchanged.

THE head office of the Energen Foods Co., Ltd., is being transferred on April 11 to Pound Lane, Willesden, London, N.W.10. The telephone number will remain Willesden 3771. Correspondence, orders, accounts, etc., should be sent there from that date, but the address for suppliers' inward deliveries, customers' returns of goods damaged in transit, etc., will be Energen Works, Birling Road, Ashford, Kent (telephone: Ashford, Kent, 1180).

## THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

A NUMBER of questions concerning purchase tax were asked during the week. MR. J. A. BOYD-CARPENTER (Financial Secretary to the Board of Trade) told SIR E. BOYLE on March 23 that among goods subject to purchase tax at 100 per cent., perfumery, cosmetics and certain toilet preparations yielded an estimated amount of £14·59 millions in 1950-51, and in 1951-52, £15·76 millions.

MR. KENNETH THOMPSON asked the Chancellor of the Exchequer on March 29 why antiseptic fluids based on DCMX were subject to purchase tax when supplied to hospitals.

MR. J. A. BOYD-CARPENTER (Financial Secretary to the Board of Trade) replied that that was so because they had not been recommended by the Minister of Health for inclusion in the list of exempt substances.

### Pricing Offices

MISS P. HORNSBY-SMITH (Parliamentary Secretary to Ministry of Health) told MR. H. N. LINSTEAD on March 26 that the total number of staff employed in pricing offices in England and Wales was 1,089 on January 1, 1952, and 1,302 on January 1, 1953. The total number of prescriptions dispensed during 1952 and priced to date was approximately 139 millions.

### Cortisone Supplies

MR. C. R. BENCE asked on March 26 what limitations were placed on the importation of cortisone, and MR. P. THORNEYCROFT (President of the Board of Trade) replied: "Licences permitting private commercial imports of finished cortisone are not at present being issued. Supplies are purchased by the Ministry of Health for continuing clinical research and for use in selected hospitals where treatment can be strictly supervised."

### Chemicals to China

In the House of Lords on March 24, LORD MANCROFT told VISCOUNT ELIBANK in a reply to a question concerning the restriction of supplies of goods to China, that the Government were obliged, in accordance with the United Nations' resolution of May 18, 1951, to take all possible steps to prevent the export to China of any goods which would be of military and strategic importance to the Chinese forces in Korea.

## COMPANY NEWS

LAPORTE CHEMICALS, LTD.—The name of the company has been changed to Laporte Industries, Ltd.

BRITISH OXYGEN CO., LTD.—Group trading profit for 1952 was £5,577,376 (against £4,595,414 in 1951). A final dividend on ordinary capital of 9 per cent. is recommended.

EVANS MEDICAL SUPPLIES, LTD.—Trading and manufacturing profit, subject to audit, for 1952, was £182,010 (against £478,743 in 1951). Net profit was £64,592 (£196,386). Dividend proposed on ordinary capital is 7½ per cent. (10 per cent.).

AYRTON, SAUNDERS & CO., LTD.—Group trading profit for 1952 was £93,410 (£131,331 in 1951) plus rents and investments. Less general charges £28,941 (£39,911) and taxes, £39,537 (£53,839), it leaves balance of £39,537 (£39,070). Ordinary dividend of 10 per cent. is proposed.

P. H. GALLOWAY, LTD.—Trading loss for 1952 was £2,891 (against profit of £16,647 in 1951), and net loss £10,707 (£8,672 profit before tax). No ordinary dividend (5 per cent.) is recommended. Directors state that sales of main lines show a slight increase in first two months of 1953.

SMITH & NEPHEW ASSOCIATED COMPANIES, LTD. — Group profits for 1952 were £135,116 (against £554,961 in 1951) after all charges including tax. Profit attributable to holding company £171,727 (£536,853). A dividend on ordinary shares of 25 per cent., less tax (same) is recommended.

MONSANTO CHEMICALS, LTD.—Consolidated trading profit for 1952 was £1,476,400 (against £2,889,330 in 1951). Net profit attributable to group was £261,785 (£911,929). The final dividend on ordinary capital is cut from 15 5/6 per cent. to 11 2/3 per cent. making a total of 18 1/3 per cent. (22 1/2 per cent.).

A. BOAKE, ROBERTS & CO., LTD.—The directors are to form a new subsidiary company, to be called A. Boake Roberts & Co. (Manufacturing), Ltd., and are to vest in it the manufacturing and trading undertaking of the parent company. In a circular to shareholders it is pointed out that the year's trading to March 31 will result in a trading loss of which a considerable proportion will be attributed to stock losses. From April 1 the parent company will be a holding company, ceasing to manufacture or trade. It is estimated that the group as a whole will save something more than £100,000 in tax liability and the saving will only be reduced to a negligible amount if very favourable trading conditions return during the next year.

### NEW COMPANIES

H. RUBECK, LTD. (P.C.).—Capital £4,000. To carry on the business of manufacturers of and dealers in essential oils, essences, etc. Eric J. Rogers and Charles W. M. Turner, directors. R.O.: 11 Hart Street, London, E.C.3.

A. S. DICKINS, LTD. (P.C.).—Capital £1,000. To deal in chemicals, disinfectants, soaps, acids, perfumes, etc. Alfred S. Dickins and William H. Dickins, directors. R.O.: Scotson Chambers, High Street South, Dunstable, Beds.

J. C. W. PRICE, LTD. (P.C.).—Capital £3,000. To acquire the business of a chemist and druggist carried on by Marion E. Price at 79 Banstead Road, Carshalton, as "J. C. W. Price, M.P.S." Marion E. Price, Redenham Guyatt and George J. P. Price, directors.

## BIRTHS

LANGMAN.—On March 29, to Vera, wife of John Merritt Langman, M.P.S., 7 Station Street, Saltburn-by-the-Sea, Yorks, a son (Peter John).

WATSON.—At Simpson Memorial Pavilion, Edinburgh, on March 23, to Elizabeth (née Sinclair, of Detroit, Michigan, U.S.A.), wife of Thomas A. Watson, Ph.C., 10 Plewlands Gardens, Edinburgh, a son.

## DEATHS

DORMAN.—At 7 Deyncourt Gardens, Upminster, Essex, on March 12, Mr. James Dorman, aged eighty-eight. Mr. Dorman qualified as a chemist and druggist in 1886, and later went to the Colombo Apothecaries' Co., Colombo, Ceylon, where he remained for many years, returning to London during the 1914-18 war on retirement. He was later employed by drug brokers in London.

EVANS. — Recently, Mr. David Arthur Evans, M.P.S., 25A Alma Road, Clifton, Bristol, 8, aged seventy-seven.

FLETT.—At Charleville, 5 Glasgow Road, Uddingston, Lanarks, on March 21, Mrs. Jessie Alice Flett (widow of the late Mr. Arthur Flett, M.P.S., Uddingston).

GIBSON.—On March 21, Mr. Leonard Maurice Gibson (joint managing director of Robert Gibson & Sons, Ltd., Carlton Works, Hulme, Manchester, 15). Mr. Gibson had almost forty years' service with the company and had been a director since 1935.

MORGAN. — On March 18, Mr. Cyril Morgan, M.P.S., Barrister-at-Law, 12 Warwick House, Castle Court, Cardiff, aged fifty-five. Mr. Morgan was formerly an inspector of the Pharmaceutical Society appointed under the Pharmacy and Poisons Act, 1933, and covered East Anglia and the South-eastern counties of England. In 1944 he was called to the Bar and in 1947 went to Cardiff to join the Wales and Chester Circuit. He contested unsuccessfully the Wells division of Somerset in the 1945 Parliamentary election as a Labour candidate. He leaves a widow and three daughters.

MULHOLLAND. — Recently, Mr. Charles Henry Mulholland, M.P.S., whose address in the register of chemists and druggists was c/o A. V. Wright, Ltd., 4 Caroline Street, London, W.6. Mr. Mulholland qualified in 1913.

PITCHFORD.—On March 29, Mr. William Thomas Pitchford, Ph.C., 1 Redland Hill, Bristol, 6. Mr. Pitchford, who qualified as a Chemist and Druggist in 1902, and passed the Pharmaceutical Chemist examination in the following year, was formerly in business at High Street, Maidenhead.

REOCH.—At his home, 14 Kelso Street, Dundee, on March 18, after a two-day illness, Mr. John Smith Reoch, M.P.S., aged forty-eight. Mr. Reoch was in business at 201 and 21 Blackness Road, Dundee. A native of Dundee, he served his his apprenticeship with Mr. John Anderson, M.P.S., 87A Arbroath Road, Dundee. Later he managed a number of pharmacies in London, and after some years, returned to Dundee to manage branches of Johnston & Adams, Ltd., Dundee. Afterwards he went into partnership with Mr. L. P. Michie, M.P.S., in Blackness Road, and assumed complete ownership of the business about five years ago. Mr. Reoch was 1952 winner of the Cox handicap trophy in the Scottish chemists' annual golf championship. He was also a committee member of Dundee Cine Society. He is survived by his widow and two sons.

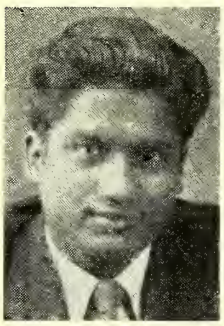
ROBERTSON.—On March 10, Mr. John Wright Robertson, M.P.S., 91 Blackness Avenue, Dundee, aged eighty-six. Mr. Robertson had been in business at Blackness Road for sixty years. He leaves a pharmacist daughter, Miss E. W. Robertson, Ph.C., Sidcup, Kent.

SOUTHALL. — In the Birmingham Eye Hospital, on March 30, Mr. Wilfred Francis Southall, Ph.C., aged eighty-eight. Mr. Southall was a member of the family business of Southall Bros. & Barclay, manufacturing chemists, Birmingham, for many years, and played a leading part in its development. He retired from active participation in the business some years ago, but continued as a director of Southalls (Birmingham), Ltd., until about two years ago. Mr. Southall qualified as a Chemist and Druggist and passed the Pharmaceutical Chemist examination in 1886.

VARLEY.—At his home, 179 Cheddon Road, Taunton, Somerset, on March 18, suddenly, Mr. William Varley, M.P.S., aged sixty-eight. Mr. Varley had been in business for many years at 8 East Reach, Taunton, and retired about two years ago. He is survived by his widow.

## PERSONALITIES

MR. S. KUMAR AGRAWAL who was elected president of the British Pharmaceutical Students' Association for 1953-54 is a final-year student for the B.Pharm. degree at Nottingham University. Mr. Agrawal was born in Agra, India, in 1929. He came to Britain to study pharmacy in December 1946 and, except for a few months' visit home in 1949, has remained in Britain since. He is also the president of the Nottingham University Pharmaceutical Society.



DR. J. E. G. HARRIS, as technical director, Federation of British Industries, is temporarily succeeding Mr. Bertram White who has resigned from March 31 to take up an industrial appointment. Dr. Harris, who becomes acting technical director, has had a long association with Imperial Chemical Industries, Ltd., from whose service he has retired.

## INQUESTS

**Unknown Source of Barbiturates.**—Recording a verdict of death from bronchial pneumonia after barbiturate poisoning, the Nottingham coroner, at an inquest on a woman recently, said he was "a little troubled" about the unknown source of the barbiturate tablets or capsules taken from the woman.

**Death from Butazolidin.**—At an inquest at Nottingham recently the coroner recorded a verdict in accordance with medical evidence of death from terminal broncho - pneumonia after agranulocytosis following Butazolidin therapy. Giving evidence, Dr. H. M. Rice (pathologist at Nottingham General Hospital), criticised the publication by newspapers of information about "wonder drugs" such as butazolidin without warning the public of the possible risks involved in their use.

**Dispenser takes Nicotine.**—At an inquest at Brigg, Lincs, recently, on Miss Lillian Mary Bainton, High Street, Broughton, Lincs, a verdict was returned by the coroner that she took her own life while the balance of her mind was disturbed. A pathologist said that Miss Bainton's stomach contained about 92 grains of nicotine. Mr. Charles Jessop (superintendent pharmacist at the branch of Scunthorpe Co-operative Chemists, Ltd., at which Miss Bainton was employed) said that he found that an 8-oz. bottle of nicotine previously full contained only 6 oz. after Miss Bainton's death, and there was no record of any sale.

**Children Take Parents' Tablets.**—At St. Pancras, London, coroner's court, recently a verdict of death by misadventure was recorded on a fifteen-month-old child who had gained access to iron tablets prescribed for his mother and had eaten forty. The mother said that she was given a month's supply of the tablets in an envelope. She subsequently put them in a screw-top bottle not noticing that any were missing. Later her two children were sick and the younger one died in hospital. — At an Exeter inquest recently the coroner returned a verdict of death by misadventure on a two-year-old child who died after eating digoxin tablets prescribed for his father. The mother said that the child had obtained the bottle from a drawer and had broken the bottle.

**Mistake in Anæsthetic Prescription.**—At an inquest at St. Pancras, London, recently on a woman who had died during a minor operation, a surgeon said that she had made up a standard prescription for an anæsthetic solution but had omitted details about the amount of adrenaline solution. About 40 c.c. of the solution was used. A pharmacologist in evidence said that the amount of a 1/1,000 adrenaline hydrochloride solution involved would be lethal when injected. A pharmacist in the employ of a company said that the prescription had caused no surprise as the "most amazing prescriptions" were received from hospitals. He had telephoned the hospital but had been told that the matron was out. A verdict of accidental death was returned.

# TRADE NOTES

**An Address Corrected.**—The address of the Fish Optical Co., Ltd., is McNeish House, 261 Harrow Road, London, W.2, and not as given in a recent advertisement.

**Now Tax-free.** — British Schering, Ltd., 229 Kensington High Street, London, W.8, announce that Oblivon capsules have been exempt from purchase tax since March 28.

**Discontinued.** — Glaxo Laboratories, Ltd., Greenford, Middlesex, announce that all packs of the following products are being discontinued from March 31: Cold (anti-cartarrhal) dissolved vaccine; Kapilon (tablets and ampoules).

**Folding Counter Card.**—The illustration shows a new folding counter-

display card in pink and cerise produced by Johnson & Johnson (Great Britain), Ltd., Slough, Bucks, for their Modess sanitary towels.

**Coronation Free Gift.**—Advance Industries, Ltd., 87 Regent Street, London, W.1, are offering free taffeta coronation ribbons to purchasers of Dispel refill bottles who comply with certain conditions given on another page of this issue.

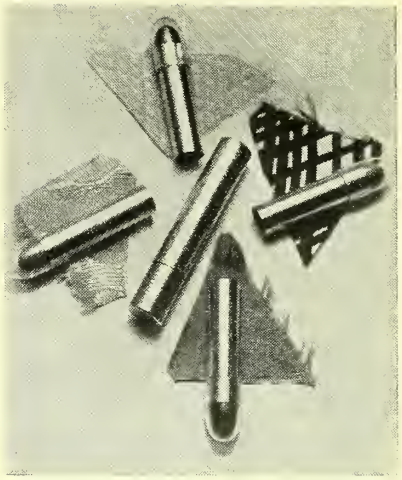
**Pharmacy Fittings.**—Myers of Old Street, Unisec House, 133 Old Street, London, E.C.1, have produced a booklet entitled "Unisec — The Standard Reference of Pharmacy Fitting," a copy of which will be forwarded to any chemist on request.

**An Additional Pack.**—Allen & Hanburys, Ltd., Bethnal Green, London, E.2, announce that they have made available, in a pack of 100, penicillin solution tablets for eye drops. Each pack contains ten tubes of ten solution tablets and is wrapped in transparent tissue.

**Second Edition.**—Cuxson, Gerrard & Co., Ltd., Fountain Lane, Oldbury, Birmingham, have produced a second edition of "Gerrard the Pharmacist," published on the occasion of the company's 75th anniversary. A limited number of copies are available to chemists. The company point out that their present managing director is Mr. A. D. Gerrard, youngest son of the late Mr. A. W. Gerrard.

**Drinking Straws.**—For use in taking tonics containing iron as well as for domestic use with milk, soft drinks, etc., the Hygienic Drinking Straws Co., Ltd., Larkhall Industrial Estate, Larkhall, Lanarks, issue a series of wrapped and unwrapped straws under the trade mark Drinkrite. The range includes a packet of twenty-five straws in transparent wrapping; cartons of fifty and 100 straws; and a carton of fifty drinking straws each pair in separate paper envelope.

**Extensions and a New Series.**—Gala of London, Ltd., have recently carried out improvements and extensions to their premises at 48 Burlington Arcade, London, W.1, and have redesigned them to express the theme "Gala



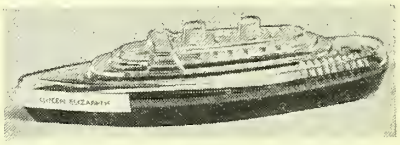
means Colour." In the new rooms provision is made for giving beauty treatment and it is anticipated that facilities for training retail assistants in the technique of selling the products of the company will shortly become available. Messrs. Gala also announce a new series of perfume sticks, solid toilet waters and talcum powders (available separately) in six bouquets. New packs of the company's Skin Care and Face Colour series of cosmetics are being made available from the end of March, and in late May the Interchange lipstick (a standard-size lipstick that takes sliding and interchangeable refills).

# NEW PRODUCTS AND PACKS

**Carton and Wrapper Change.**—Macdonald & Son, Ltd., Hope Mills, Pollard Street, Manchester, 4, are issuing their Marina face cloths in new blue and green cartons and matching transparent wrappers. Details and prices are given on another page.

**Dandruff Treatment.**—Abbott Laboratories, Ltd., Perivale, Greenford, Middlesex, have introduced Selsun suspension, a new treatment for dandruff. Messrs. Abbott state that, in clinical studies with 400 patients, the product effectively controlled 92 to 95 per cent. of cases of common dandruff, itching and burning of the scalp being arrested in most patients after only two or three applications. Selsun is supplied in bottles of 4 fl. oz.

**Tooth-brush Novelty.**—Spa Brushes, Ltd., Freeman Works, Chesham, Bucks, are marketing a plastic model of the



S.S. "Queen Elizabeth" in the form of a tooth-brush container that can be used afterwards as a floating toy in the bath. The two halves are bound by a strip of adhesive tape, which is removed to enable the tooth-brush to be taken out.

**Two New Tonics.**—Sharp & Dohme, Ltd., Hoddesdon, Herts, have introduced Adetate elixir, a pleasantly flavoured stimulating tonic containing in each fl. oz. 30 mgm. each of dexamphetamine sulphate and thiamine hydrochloride, 240 mgm. of sodium glycerophosphate, and 60 mgm. of potassium glycerophosphate. The elixir is indicated as a stimulating tonic in the relief of the mild depression and lethargy associated with convalescence, chronic disease, etc. A second product, liquor Diastos, is a palatable digestive tonic containing pepsin, papain, rennin, lactic acid and nux vomica in an acid medium, and is indicated in hypoacidity, atonic or nervous dyspepsia, biliousness, etc.

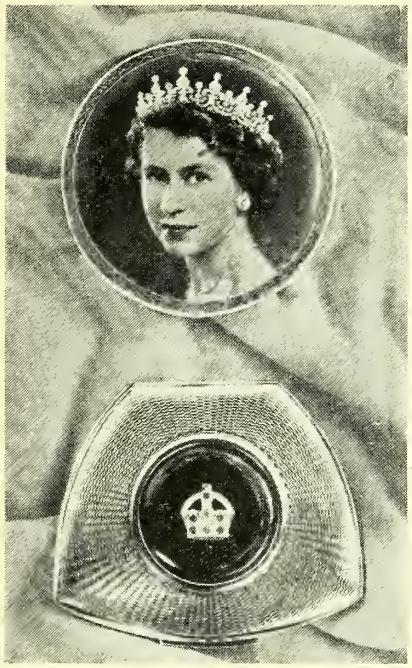
**STAINS FOR MICROSCOPY: Manufacturing and research laboratories for Edward Gurr, Ltd., East Sheen, of which the foundation stone-laying ceremony took place on January 24, 1952 (*C. & D.* 1952, I. 131) are now in occupation. Left: A stage in the preparation of a staining compound. Right: Laboratory for work on the development of new techniques.**

# CORONATION SOUVENIRS

MANY chemists may be considering whether to take into stock Coronation souvenirs or special Coronation packs likely to be sought by customers in the coming weeks. Some of the items offered by manufacturers are listed below:—

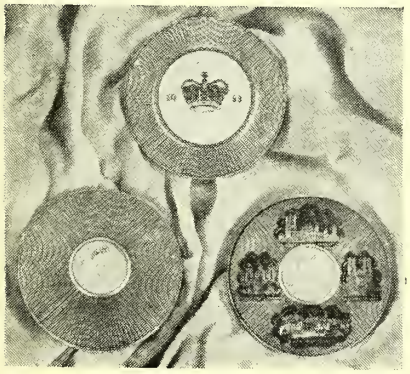
**Compacts**

Of a range of powder compacts available from A. S. BROWN & CO. (MANUFACTURING), LTD., 79 Coborn Road,



London, E.3, one has a reproduction of a photograph of the Queen; two have as an inset the Queen's head in imitation mother-o'-pearl (one of these has also illustrations of buildings appropriate to the Coronation); a fourth is decorated with a coloured picture of the Crown; another model has a metal *bas-relief* of the Crown studded with coloured stones.

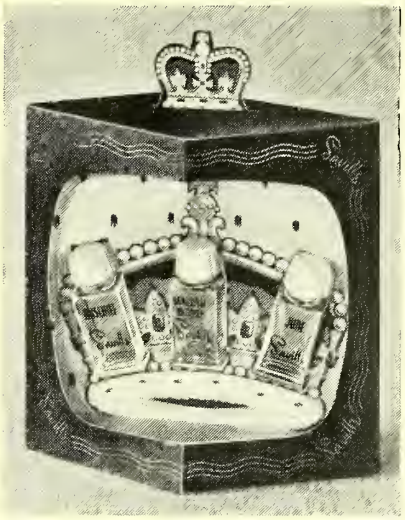
Designs for powder compacts offered by SEARCHLIGHT PRODUCTS (ENGINEERS), LTD., 159 Bollo Bridge Road, London, W.3, include reproductions of photographs of the Queen and/or the Duke of Edinburgh; a replica of the Royal Crown; an engraved representation of



London scenes with the Queen's head in the centre; and gold filigree on black enamel, depicting London landmarks.

**Perfume**

A pack containing one bottle each of Heaven, Mischief and June perfumes arranged on a miniature reproduction of a royal crown is available from



SAVILLE PERFUMERY, LTD., 124 Rickmansworth Road, Watford.

A bottle of Evening in Paris perfume (BOURJOIS, LTD., Queens Way, Croydon, Surrey), is being packed inside a plastic representation of the Marble Arch.

The Blue Orchid perfume Piccadilly Novelty (DELAVELLE (SALES), LTD., 35 Old Bond Street, London, W.1), bearing a model of the Eros statue of Piccadilly Circus, is being supplied as a Coronation souvenir with a gold and blue seal in the form of a medal on a gold cord.

A large bottle of Meteor, l'Aimant or Chypre perfume, together with a Lalique-designed glass powder-bowl containing a satin coffret of powder, is being issued in a box decorated with a frieze appropriate to the Coronation by COTY (ENGLAND), LTD., 3 Stratford place, London, W.1. The company is also packing in a transparent box a bottle of perfume and sachets of powder in red, white and blue.

**Toilet Soap**

Cavalcade soap packed in boxes which bear a design comprising a cav-

alcade of Queens from the time of the ancient Egyptian empire to the Edwardian era are being issued by CAVALCADE BEAUTY PREPARATIONS, LTD., 417 Battersea Park Road, London, S.W.11.

Vinolia baby soap and baby powder (VINOLIA CO., LTD., 449 London Road,

Isleworth, Middlesex) are being issued in special Coronation packs.

Toilet soap in Coronation packs are issued by F. R. CULLINGFORD, LTD., Munro Terrace, Cheyne Walk, London, S.W.10. One represents a crown resting on a cushion; another comprises three guest tablets in red, white and blue, each bearing a design of a crown packed in a transparent cylindrical box. Also available is a pack of three 2-oz. tablets carrying pictures of the Coronation coach in a cut-out display box. All have special Coronation perfume.

A tablet of Seventh Heaven soap with recess holding a bottle of Heaven, Mischief or June perfumes, the whole enclosed in a transparent circular pack bearing an illustration of the Coronation coach is available from SAVILLE PERFUMERY, LTD., 124 Rickmansworth Road, Watford.

**Miscellaneous**

A 7 in. dressing comb, a 7¼ in. tail comb and a 5 in. pocket comb mounted on a gold card packed in a transparent envelope on which are printed the Queen's portrait and representations of Coronation scenes is a souvenir pack issued by A. B. PRODUCTS (BRADFORD), LTD., Florence Street, Bradford.

A range of imitation flowers in red, white and blue offered by CHORLEY FLORAL PRODUCTS, Waterloo Road, Uxbridge, includes some for window display. Also available are baskets in the shape of a crown filled with crêpe paper flowers.

Fiesta Nylon turban and Ninette Nylon sleeping cap are each being packed by RAYWARP TEXTILES, LTD., Alfred Street North, Nottingham, in a transparent envelope bearing a portrait of the Queen.

# STUDENTS' CONFERENCE AT SUNDERLAND

## The Pharmacist in Relation to his Environment

THE British Pharmaceutical Students' Association held its eleventh annual conference in Sunderland, March 23-27. The proceedings opened with an informal dinner of the delegates after which MESSRS. F. H. OLIVER (head of the department of pharmacy at Sunderland Technical College and president of the Sunderland branch of the Association) and H. BAUM (chairman of the branch) officially welcomed them.

More than 150 persons attended the session on March 23 held later in the evening. In addition to the delegates there were present pharmacy students from the college, members of the Sunderland, Newcastle and Northumberland, and Durham Branches of the Pharmaceutical Society and of the South Shields Chemists' Association. Among the guests were Messrs. W. Thompson (director of education for Sunderland), E. T. Kent (pharmacy representative on the board of governors of the college), and P. A. Wrangham (principal of the college).

In the absence of the president of the association (Miss J. R. Houston, Glasgow) the chair was taken by the treasurer (Mr. J. A. Box, London) who read telegrams of good wishes and apologies for absence from Miss Houston and Mr. J. M. Blau (membership secretary, London).

The theme of the conference, he said, was "The Pharmacist in his Environment." Education should be aimed at teaching individuals how best to apply their abilities. Did pharmaceutical training prepare students to take a position of responsibility in the community? He partly answered his question by naming pharmacists who had made contributions in other fields:—The present president of the Pharmaceutical Society (chosen as the next lord mayor of Liverpool); Peter Squires, who had made contributions in the field of anæsthetics; Jacob Bell and Mr. H. N. Linstead, members of Parliament past and present. Pharmacists were specially fortunate today, he said, because pharmacy was gaining recognition as a profession. Education had always been the first object of the Pharmaceutical Society.

British pharmacists and the B.P.S.A. had encouraged contact between pharmacists of different nations. In fact, the International Pharmaceutical Students' Federation had been formed on the encouragement of the B.P.S.A. The challenging question to students was "Are you content to maintain the present standards of behaviour, or do you wish to progress in your profession?

### Work of Statutory Committee

The presidential address was followed by an address on "The Work of the Statutory Committee" given by MR. D. A. SCOTT CAIRNS, Q.C. (chairman of the Statutory Committee of the Pharmaceutical Society). Mr. Scott Cairns described the formation and constitution of the Committee which, he said, represented an example of the British principle of judging a man by his peers. No name could be removed from the Registers of Chemists and Druggists and Pharmaceutical Chemists without the consent of the chairman of the Committee who, so far as pharmacy was concerned, was an "ignoramus." That was an important safeguard.

The Committee had to decide: 1, Whether or not the respondent was guilty of an offence or misconduct rendering him unfit to be on the register; and 2, whether or not his name should be removed from the register. The Committee had no power to remove a name forever but it could specify a time before which it would not consider an application for restoration.

The speaker gave the following average annual figures concerned with the Committee's work:—Of a total of forty-seven complaints, no action was taken in ten; in thirty, warnings were issued; and seven inquiries were held. Mr. Scott Cairns pointed out that only one (or less) per 500 pharmacists had a complaint made about them each year.

### What is Pharmacy?

The session held on March 24 commenced with an address on "What is Pharmacy?" by MR. F. H. OLIVER. A public misapprehension that pharmacy and dispensing were the same had caused retail pharmacists to be alarmed at the possible recognition of unqualified assistants. He suggested that pharmacy was making sure that the patient got the best drug in the most suitable form. The pharmacist's rôle could be considered in five stages: 1, Advice to medical practitioners; 2, checking a prescription; 3, selection of materials.; 4, compounding (here some aspects of his work, including selection of prepacked ampoules, could be performed by pharmacists but not by dispensers); 5, finishing the product. Only a pharmacist was capable of carrying out all five parts satisfactorily. He doubted whether the two-year course was adequate for training a pharmacist for his exacting task.

The speaker then dealt with some of the uses pharmacy was making of the sciences. Mathematics was coming more into prominence and perhaps the time had arrived when it should replace biology in the intermediate syllabus. The advice given in the 1953 British Pharmacopœia on statistical treatment of results of biological assays made that clear. The development of drugs such as antibiotics and hormones had only been made possible by the application of statistical methods. The number of official synthetic organic compounds had risen from fewer than six in 1914 to about ninety in 1953. Pharmaceutics might be described as applied physical chemistry, as evidenced in the buffering of injections, the control of *p*H, adsorption, and the use of ion-exchange resins. Absorption spectrophotometry, polarographic analysis and chromatography had made possible such discoveries as the existence of *nor*-adrenaline. Chromatography was of value in analysing complex mixtures such as occurred in natural drugs. Ultrasonic energy found application in the stirring of liquids in inaccessible places, in emulsification, and in the destruction of bacteria. More work needed to be done before ultrasonic energy could be used for sterilisation.

The speaker denied that pharmacognosy was an unnecessary subject. The efforts of pharmacognosists had caused new sources of solanaceous alkaloids such as *Duboisia myoporoides* and *D. leichardtii* to be discovered. An important trend in pharmacognosy had been the use of biological methods to determine the value of a drug and to follow the isolation of active constituents.

Pharmacy had come to rely on the engineer for the manufacture of galenicals, etc., and the rise in penicillin production from five million mega units in 1947 to more than sixty-three million in 1951 was a triumph of pharmaceutical engineering. Pharmacy had made many contributions to pharmacology, and the pharmacist was the person best qualified to give a doctor any advice he might require on the properties of drugs.

### Local Chemistry Pioneers

An address followed on "Local Pioneers in Chemistry," by DR. J. GIBSON (head of the chemistry department, Sunderland Technical College). The speaker referred to the salt industry founded on local brine springs and deposits of cheap coal (to provide heat for evaporating the brine) and mentioned that William Losh, Newcastle, was the first to establish (in 1816) the Leblanc (sodium carbonate) process in Britain.

Hugh Lee Pattinson (born at Alston in 1796), who became assay master to the lead mines belonging to the Greenwich hospital commissioners in Alston, had developed processes for separating silver from lead, for making white lead, and for making white magnesia from local calcium magnesium carbonate.

John Glover, born at Wallsend in 1817, had invented a method of making alum, and had interested himself in the lead chamber process for making sulphuric acid, and the tower that bore his name was his invention.

Sir Joseph Wilson Swan had been born in Sunderland in 1828. By keeping his eyes and ears "wide open" he had acquired a practical knowledge of local manufacturing processes. In 1842 he was articled for six years as an apprentice to a firm of Sunderland druggists. After three years, however, both the principals of the firm died and he joined a friend who carried on business as a chemist and druggist in Newcastle. His spare time was spent on chemical and electrical experiments

and he became interested in electric lighting and in photography. Swan made friends with other scientists in Newcastle including Barnard Simpson Proctor, who later became professor of pharmacy in the Newcastle College of Science.

In 1864 Swan patented his "carbon process" for producing permanent photographic prints. The process had the advantage that, as pigments could be incorporated, prints of any colour could be made. In 1877 Swan was making dry bromide-gelatin photographic plates which rivalled collodion plates in sensitivity and speed.

Swan developed a carbon-filament incandescent lamp and later amalgamated with the American inventor, Edison, to form the Edison Swan Co. He had also devised a process for extruding cellulose fibres.

Swan had pointed out the need for the development of higher technological education in an address at the opening of a school of pharmacy in 1903.

### Purpose of Education

A lecture on "The Purpose of Education" given by Mr. E. J. R. Eaglesham (professor of education, Durham University) opened the session held on March 25. PROFESSOR EAGLESHAM said that educationists today were aware of the dangers of pursuing too simple an aim. There was, however, a gap between the academician and the layman. The speaker made reference to the advantages of learning by practical experience (as in learning a craft, or as in the educational methods of primitive peoples—a far from unsuccessful method).

A school today was judged by its successes in examinations, but that was "the factory system with a vengeance." He called for a greater realisation of the value of education so that the best kind of people would be attracted to teaching; a greater acceptance of the judgments of schools (vocational guidance should replace examinations); and reorganisation of the educational system. The alternative was more centralisation, more division of labour in education and more frightening examinations.

### Industrial Pharmacy

There followed an address on "Industrial Pharmacy" by MR. G. C. DUFOUR (managing director, Abbott Laboratories, Ltd.). The speaker said that in industrial pharmacy there were factors outside the syllabus that had to be taken into account. Large numbers of packs of sterile solutions could be handled mechanically without danger to quality. Improvements in tablet compressing were coming into being, and it would soon be possible to sugar-coat tablets by a second compressing process, thus eliminating the lengthy rotating pan process.

However good the mechanical process was, it was necessary for the ingredients to be correct and "that was where pharmacy came into the picture."

Better packs were necessary from the point of view of selling a product, especially for export.

Some Eastern markets were becoming more difficult for the pharmaceutical industry because deliveries could not be made quickly enough. Soon, he said, every country would produce its own antibiotics, with a resulting loss of British exports. There was, however, room for further expansion.

The pharmaceutical student of today had a better opportunity in industry than the pharmacist of five years' standing, because the adaptability of a younger person was needed. Mechanical ability was necessary in a pharmacist in industry but not to the extent of being a mechanic. The possibilities and limitations of the machines in use should be known. Again, an industrial pharmacist must be able to handle personnel and get the maximum effort from his men without bullying. Co-operation was again important. Ability to advise was necessary: the pharmacist could often solve a pharmaceutical legal problem more efficiently than a legal department.

The speaker felt that provision for industrial pharmacy should be made in the syllabus. The mechanical aspect should be stressed. It would help in the attraction of the right men to industry if an industrial personnel adviser could visit schools of pharmacy to advise on the opportunities in industry

In response to questions from the floor, Mr. Dufour said that in the United States methods were based on considerations of output, in Britain on "time-honoured" methods. In many ways production in Britain was, however, up to American standards. It was essential to finish off a product well—even those that could be had on prescription only. Doctors and surgeons had to have confidence in an article for them to prescribe or use it. He was in favour of business training, with emphasis on the basic terms used in accountancy and on stock control.

*(To be concluded)*

# PRESCRIBING IN SCOTLAND 1951

## Similarities with English Practice

DRS. D. M. DUNLOP, R. S. INCH and J. PAUL of the department of therapeutics, University of Edinburgh (*British Medical Journal*, 1953. 1. 694-97) give the results of an analysis of 13,340 National Health Service prescription forms written in Scotland in October 1951. They represent 1 per cent. of the forms used in that country during that month and they were examined on similar lines to prescriptions dispensed in England previously (*C. & D.*, 1952. I. 224). The survey showed, however, that the frequency with which different drugs were ordered and the form in which they were prescribed were similar in England and Scotland.

### Many Placebos

Vitamins, tonics, and symptomatic remedies (sedatives, hypnotics, analgesics, cough mixtures, stomachics, and laxatives) constituted 51·6 per cent. of all prescriptions written. A large proportion of those drugs "must be prescribed as placebos," the report states. Proprietaries formed 30 per cent. of the preparations prescribed compared with approximately 21 per cent. in the English survey. There was an increase in the prescribing of antibiotics and antihistamines compared with the previous English figures, but amphetamine preparations were not prescribed significantly more—a "surprising" result. Bromides were prescribed only rarely, 1 per cent. compared with the English figure of 5·8 per cent., but bromides were, however, prescribed with chloral hydrate to the extent of some 4,000 prescriptions during the month. The writers add that it is unfortunate that there should be a National Formulary formula for the mixture, for bromides have to be administered frequently before there is a replacement of chloride to exert a depressant effect. Compound cough mixtures containing sedatives and expectorants were ordered as often as sedative preparations, but purely expectorant cough mixtures were not ordered as often as either.

The proportion of E.C.10 forms per unit of population seemed to vary according to the population density of the area. The proportion of prescriptions for cough mixtures was higher in urban than rural areas. That was particularly noticeable in Aberdeen city (12·4 per cent.) in comparison with the remainder of the North-eastern region (7·7 per cent.). There was no similar trend in the proportion of prescriptions for stomachics in the town and country. As in the previous survey vitamins were prescribed more often than iron, and constituted about 5 per cent. of prescriptions, or over 1 million a year in Scotland (equivalent to a cost of £230,000). It was probable that only a small proportion of the vitamin prescriptions served any useful purpose, in view of the supplies made at welfare centres.

Liver extract was ordered 125 times in comparison with only ninety-seven prescriptions for insulin and 134 for digitalis. Folic acid was ordered thirty-two times. As the drug should be used only in tropical sprue and in some rare cases of megaloblastic anæmia and is contraindicated in pernicious anæmia some 3,000 prescriptions per month in Scotland would seem to be excessive. The survey cleared doctors from the stricture made sometimes by lay members of Executive Councils that expensive toilet requisites were commonly prescribed. Seasonal variation in "script rate" per unit of population, as determined by supplementary survey involving prescriptions dispensed during the months of July-December 1951, was found to be relatively greater in densely populated areas. If among other factors the availability of the doctor and the attitude of the industrial worker towards disease were important in affecting that rate then the shilling charge on prescriptions might be justifiable as a mild mass deterrent. The writers thought that it is unfortunate that the charge penalised the chronic sick without greatly discouraging the hypochondriac.

# COUNCIL MEMBER TOURS SCOTTISH BRANCHES

## Information exchanged on "Pharmaceutical Values"

MR. E. A. BROCKLEHURST (a member of the Council of the Pharmaceutical Society) undertook a lecture tour in Scotland recently. His subject was "Pharmaceutical Values," and he addressed meetings of the Edinburgh and South-eastern, Stirling and Central, and Dundee and Eastern Scottish Branches of the Society.

### Professional Conscience

Speaking of the Society's "code of ethics," Mr. Brocklehurst said that, although conscience should be the guide in the matter of professional conduct, a code was necessary. The first draft statement on professional conduct in 1939 had not been imposed on the membership by the Council, but on the Council by the membership, and he felt that the revised draft statement which was now being considered by the Branches for final acceptance should prove acceptable to most members.

The Council had decided on the policy of recognition of assistants and the opinion of the Branches was wanted. It was the Council's view that the establishment of a body of assistants, of uniform training and standard of education, could do nothing but add to the status of pharmacy. Conversely, it was wrong for a pharmacist invariably to be doing work that could be done equally well by an assistant; it was, in fact, a waste of pharmaceutical man-power. It was the pharmacist's job to supply reputable medicines as well as to dispense, and the policy of confining the sale, and improving the standard, of medicines had been the prerogative of the Chemists Federation, not of the Pharmaceutical Society, during the past fifteen years. More than 120 manufacturers had agreed to confine all their products to pharmacists, but similar support had not been obtained from the retail pharmacist. During the coming year attention would be centred on the policies of price protection and the distribution of pharmaceutical products through special channels. Evidence was to be taken by the Monopolies Commission on price protection and pharmacists were closely concerned with that investigation. There was nothing contrary to the public interest in the long-established system of fair trading.

### Assistance to Distressed Members

As chairman of the Benevolent Fund Committee, he referred to the way in which pharmacy looked after its distressed members. Annually, about 200 applications from members for assistance were treated as generously as possible so as to maintain the standard of living to which the applicant had been accustomed. Chemists contributed up to about £6,000 a year for the work of the Benevolent Fund Committee. He urged members to support the Birdsgrove House and the Society's Flood Relief Funds. He hoped that, in March, approval would be given for the purchase of a house providing accommodation for twenty to twenty-three retired pharmacists or their widows, or even for pharmacists and their wives.

From the registrar's report (*C. & D.*, February 21, p. 187) it seemed that the numbers on the register were meeting demands. While a surplus was not wanted, it was necessary to maintain the register in its present state. 887 apprentices had been registered during 1952 (nearly 100 fewer than in 1951). The question whether information about pharmacy was available in the right quarters should be considered.

MR. TODD, Dalkeith, asked whether it would not be better to support firms that put everything on the C.F. list.

MR. BROCKLEHURST replied that companies were now required to put all eligible products on the list in order to be accepted.

MR. SMITH, Edinburgh, said there seemed to be a spate of "snoopers" calling on doctors at present, so that they should not prescribe expensive medicines. Until the average cost per patient was known, it was impossible to discuss what was expensive prescribing.

In reply, MR. BROCKLEHURST said that, until prescription pricing was up to date, it would not be possible to ascertain the average "doctor" cost. Extravagance on the part of the prescriber was often due to lack of knowledge or wrong information.

### An Accomplished Fact

MR. HENDERSON, Edinburgh, said that Mr. Brocklehurst had told them that the policy of registration of unqualified assistants in pharmacy was an accomplished fact, but that the Society wished to hear branch views. In his opinion, it would have been better if the Society had circularised members—confidentially if necessary — before taking the decision.

MR. BROCKLEHURST replied that the Council had decided on that policy, but not on the details.

THE CHAIRMAN (Mr. Frank Hepburn) said that an "outside body" had been mentioned in previous discussions on the subject. Was there any likelihood that the Pharmaceutical Society would come to an agreement with that body whereby the Society would take over its existing machinery for conducting examinations? So far as MR. BROCKLEHURST knew, there was no chance of such an agreement, though the possibility might have existed a number of years ago.

MR. J. B. GROSSET, Edinburgh, asked for guidance in regard to the practical training of post-graduate apprentices. There appeared to be a great deal of opposition amongst Edinburgh pharmacists to accepting any of those apprentices, it being felt that justice could not be done to the apprentice in one year, and that it might be uneconomic. Could Mr. Brocklehurst indicate the scale of salaries appropriate to post-graduate apprentices?

MR. BROCKLEHURST said that his own view was that post-graduate students should be treated as beginners. So far as pharmacy was concerned, they were ordinary apprentices. He thought that a commencing salary at the rate of £150 a year would be adequate. That amount was often not acceptable to the post-graduate apprentice because they had been working on grants of more than that, but their value to the pharmacist was negligible for the first month or two.

THE CHAIRMAN said he had received a letter from the head of the pharmacy department of the Heriot-Watt College (Mr. H. H. Campbell) asking if something could be done to bring together post-graduate students and possible employers.

### Post-graduate Apprentices

MR. H. H. CAMPBELL, Edinburgh, said that, of the forty-two students from the Heriot-Watt College who would be eligible to sit for the Pharmaceutical Chemist examination in July, about thirty had served no apprenticeship, and about twenty of them belonged to the Edinburgh area. Out of the 200 or more shops in the city, were there not twenty to take advantage both of the pharmacist and of the student, those post-graduate apprentices? It was possible that, when the year's training was ended—in the month of July—some apprentices might be able to act as locum and so solve a problem many pharmacists were finding most difficult. THE CHAIRMAN promised that the Branch Committee would do its best to bring that matter to the attention of the pharmacists in the area.

MR. T. J. WATSON, Edinburgh, asked if Mr. Brocklehurst was stating his own opinion when he suggested £150 as a suitable salary for the post-graduate apprentices. When he himself had qualified, two-thirds of the qualified salary was the figure suggested, but he thought that that had applied to hospital pharmacy. MR. BROCKLEHURST replied that he had been stating his own view.

At the Dundee meeting, MR. BROCKLEHURST confirmed, in discussion, that it was difficult in England and Wales to get and place apprentices. In his opinion, the control of unqualified assistants would not affect the chemists' remuneration, as the whole cost of complete staff was included in oncosts. There would always remain a wide gap between the pharmacist and the unqualified assistant in pharmacy as to examination standards, responsibility, and status.

# LOCAL OFFICERS

### NATIONAL ASSOCIATION OF WOMEN PHARMACISTS

**Merseyside Branch.**—*President*, Mrs. M. R. Townley; *Vice-president*, Miss E. M Hirst; *Secretary*, Mrs. E. N. J. Jones, 6 Ravenswood Avenue, Rock Ferry, Cheshire; *Treasurer*, Miss M. C. Dodd; *Registrar*, Mrs. D. Evans.

### GUILD OF PUBLIC PHARMACISTS

**Manchester Branch.**—*Chairman*, Mr. L. Haslegrove; *Vice-chairman*, Miss K. Applewhite; *Secretary*, Miss I. F. A. Lewis, Monsall Hospital, Manchester, 10; *Treasurer*, Mr. W. J. Chatterton; *Social Secretary*, Miss E. Fairhurst.

# FIGURES IN THE PHARMACEUTICAL WORLD

OFTEN in history the occasion has called forth the man. In the affairs of pharmacy in Northern Ireland the influence of Mr. H. W. Gamble in recent years had been strikingly felt, but in addition he has had and continues to exercise an influence far beyond the boundaries of that territory.

Pharmaceutically speaking, Northern Ireland has come more closely into the orbit of British pharmacy since the inauguration of the National Health Service in 1946. The Pharmacy and Poisons Act (Northern Ireland), 1925, which established the Pharmaceutical Society of Northern Ireland, also controlled the practice of the profession until the introduction of the Medicines, Pharmacy and Poisons Act (Northern Ireland), 1945. The latter, while it contains many of the provisions of the Pharmacy and Poisons Act, 1933, and the Pharmacy and Medicines Act, 1941 (of Great Britain), was designed to meet local requirements, and differences between it and the laws operating in Great Britain were determined in Belfast. In other words, Northern Ireland has even more than Scotland its own distinctive differences in pharmaceutical practice from England and Wales and had to find its own spokesmen and negotiators. When the National Health Service came into operation, Northern Ireland again had its own Act and its own contract, separately arrived at, between chemist contractors and the Northern Ireland General Health Services Board. The Act also provided for the establishment of a pricing bureau in Northern Ireland. In all the negotiations with the Ministry of Health and Local Government, Mr. Gamble played a leading part, and their successful outcome was in no small degree due to his enthusiasm and ability. That his worth was appreciated by the Minister is indicated by his appointment to the General Health Services Board. He is also a member of the Dental Estimates and Drug Pricing Committee, and has recently been appointed to the Joint Formulary Committee.

4. Mr. H. W. GAMBLE

**From Apprentice to Council Member**

Mr. Gamble entered pharmacy by way of a four-year apprenticeship with the late Mr. E. A. Richey, who had a suburban and working-class business at 384 Newtownards Road, Belfast. After the completion of apprenticeship he had spells at the city-centre business of Mr. H. F. Moore and with Mr. W. J. Thornton at Newcastle, co. Down. Upon qualifying in 1932 he went to the Belfast suburban Cregagh Pharmacy, one of whose proprietors was Dr. H. D. Heazley (now a member of the Society's Council). From 1942 till 1947 he managed a business at 350 Shankill Road, Belfast, on behalf of the executors of Mr. E. J. Roberts; from 1947 till 1950 he was a member of the company set up to take over and since 1950 he has been its proprietor. Mr. Gamble's first participation in the public affairs of the profession was in connection with the formation of the Associates' Section of the Ulster Chemists' Association. Of that organisation for employees in pharmacy he was the first chairman, and served as a member of committee for a number of years. In 1946 he was invited to stand for election to the Council of the Society and was the first employee ever to be returned. In recognition of his services on the Council he was elected president of the Society for a second year, and it was during his term of office that attempts to obtain new pharmacy legislation were successful.

Mr. Gamble is much at home in discussions affecting the Health Service in Northern Ireland, and his value as a member of the Local Committee it would be hard to over-estimate. He came into early contact with Scottish pharmacy on Health Service matters, and in the now famous arbitration proceedings in Scotland he and his colleagues played a part that was important for the encouragement and support it gave to Dr. McCall and his colleagues, quite as much as for the actual advantage that accrued to pharmacists in Northern Ireland. The measure of that advantage and of Northern Ireland's gratitude to the Scots was shown by their entertaining Dr. McCall in Belfast after the tribunal proceedings had ended. Two instances may serve to show the esteem in which Mr. Gamble is held. One is that after serving on the Committee of the Ulster Chemists' Association in 1951 by virtue of his being president of the Society, he was co-opted to the Committee in a personal capacity for a second term. The other is that, when he retired from the chair of the Local Pharmaceutical Committee in 1951, he received a presentation from the Northern Ireland chemist contractors.

Mr. Gamble's calibre as a negotiator is recognised by his colleagues and probably even more so by those outside pharmacy with whom, from time to time, he has taken part in discussions. His even temper never becomes ruffled nor his voice raised. Not his the method of forcing a point. Rather he admits his opponents' reasoning and, with a salient remark, modifies it in such a way that the other becomes convinced the best way is Mr. Gamble's way. In or out of office, it is a safe prediction that the services of Mr. Gamble will be drawn upon in any new problems that demand gifts of foresight, diplomacy and leadership.

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## A New Antitussive

THE D.D.A. relaxation (*C. & D.*, March 28, p. 306) in respect of morpholinylethylmorphine illustrates the necessity of manufacturers' becoming *au fait* with the changes in the applications of international, as well as domestic, control of narcotics. The compound, which possesses certain advantages over codeine, has a brief history which is summarised in Volume II of THE CHEMIST AND DRUGGIST *Poisons Guide*, and without which it is impossible to realise the full significance of the relaxation.

In 1950 the French Government requested that a new product, described as "morpholylethylmorphine," should be included in Group II of Article 1 of the 1931 Geneva Convention. The Expert Committee of the World Health Organisation (*Guide*, Vol. II, p. 106) decided that it should be included in Group I(*b*) as an ether of morphine, which makes it a Dangerous Drug in Great Britain (*Guide*, Vol. I, p. 54). Re-examination in the light of fresh information by the French Government on the addiction propensities and convertibility of the drug led to the Committee in 1952 reversing its decision. The Committee stated that $\beta$-4-morpholinylethylmorphine, previously described as morpholylethylmorphine, was less readily convertible than codeine to an addiction-producing drug and was, in consequence, assimilable to the drugs in Group II of the 1931 Convention (*Guide*, Vol. II, p. 106).

The compound has been marketed in France as a Dangerous Drug in tablet form under the name of Valbine, but trade and manufacture were previously prohibited in this country under section 11 of the Dangerous Drugs Act, 1951 (*Guide*, Vol. II, p. 129).

The effect of the relaxation Order is to permit manufacture of and trade in morpholinylethylmorphine, and, since the compound is not at present listed as a poison, it will no doubt have to be added to the Poisons List. It should be borne in mind that Group II (international) drugs are subject to limitations on manufacture, import, export, and wholesale dealing (*Guide*, Vol. II, p. 100). In this connection it is to be noted that morpholinylethylmorphine is ranked with codeine and ethylmorphine in the Dangerous Drugs Regulations, 1953 (see p. 330).

## A Students' Success

THE undoubted success which attended the eleventh annual conference of the British Pharmaceutical Students' Association held in Sunderland last week (see p. 338) may be attributed to three things: a consistently high level of addresses, a record attendance, and the keen interest taken by the students in the activities of their organisation. For the work of organisation, including that of securing the speakers and the publicity that led so many persons other than delegates to become interested enough to attend, the B.P.S.A. have to thank their local committee, and especially the local treasurer (Mr. J. C. Penman). The responsibility for keeping the association alive, so that it has received the support of those students who are actively interested in their future calling, is shared between the association's officers, past and present. One, however, is worthy of special mention—Mr. J. A. Box, who has, since 1947, held every office in the organisation. Mr. Box has received two tributes to his work for the student body: he has been elected an honorary vice-president of the B.P.S.A., and at the conference dinner he was the subject of a toast not mentioned on the toast-list. One speaker at the dinner said that holding offices in the B.P.S.A. was valuable training in service to the community. We expect, in time, to see Mr. Box's name coming to the fore in relation to other matters than student affairs.

A deep impression on those attending the conference was made by one lecture in particular: that by Professor E. J. R. Eaglesham on the purpose of education. Professor Eaglesham was speaking of general education but the spirit of his address could well be applied to pharmacy. He stressed the dangers of education directed, from the beginning, towards producing specialists. Specialists are, of course, needed, but it is surely wise to insist upon a general pharmaceutical education before a student enters any special branch of the profession. The address was, in fact, admirably suited to the theme of the conference: "The Pharmacist in Relation to his Environment." Perhaps it is symbolic of the widening interest taken by pharmaceutical students that they should elect, as president of a nominally domestic organisation, a student from another country within the Commonwealth.

## Prescribed Medicines in Scotland

THERE appears to be little difference between the types of prescribing in Scotland and England, at least from the prescribers' and pharmacological points of view, according to an analysis recently concluded in Scotland (p. 339) along similar lines to one completed in England in 1952 (*C. & D.*, 1952. I. 224). Scotland, however, is superior, in Professor Dunlop's opinion, on the score of less bromide, fewer "expectorant" cough mixtures, and apparently fewer amphetamine preparations. On the other hand, proprietary preparations reached 30 per cent. of the total medicines prescribed in the sample examined, against 21 per cent. in the previous survey in England. A large proportion of preparations in the most popular category (vitamins, tonics, and symptomatic remedies) which constituted just over half of the preparations prescribed, were thought to be placebos. The recommendation of the director of the survey that, in an attempt to reduce the drug bill of the National Health Service, an effort should be made to check the prescribing of that type of medicament is not likely to meet with unanimous approval among Dr. Dunlop's medical colleagues. If the cost of compounding and packing those drugs that may be cheap in themselves is, as he claims, relatively

enormous, a partial eliminant of the high cost might be an increase in extemporaneous dispensing of such medicines. His stricture that the bromide in the National Formulary mist. pot. brom. et chloral. "has no more effect than a dose of salt water" will no doubt be noted by the compilers of the Formulary, even if they do not agree with his verdict.

# CORRESPONDENCE

## NOW ON DRUG TARIFF

SIR,—Your correspondent, D. Evans ("Disallowed on EC10": *C. & D.*, March 21, p. 297), cites a case of a prescription for two coal-tar paste bandages having been returned by the Joint Pricing Committee marked "Disallowed." He may not know that an amendment to the Drug Tariff has been issued, which officially notifies that coal-tar paste bandages were placed on the Tariff as from October 1, 1952. As we manufacture this type of bandage in addition to the Viscopaste bandage which Mr. Evans mentions, we are as concerned as he is in ensuring that the retailer knows just what the Committee will accept.

HULL T. J. SMITH & NEPHEW, LTD.

## TRADE UNION MEMBERSHIP

SIR,—Judging by inquiries I am receiving it is manifest that confusion exists in the minds of many retail employee pharmacists as to what constitutes membership of a registered trade union. This pharmacists' dilemma would appear to be prominent amongst pharmacists whose engagements are conditional upon trade union membership. I am finding there have been occasions on which those seeking clarification have been handicapped and delay caused through not being aware of where to contact me quickly. May I, through your correspondence columns, request that inquiries of the nature mentioned should be addressed to:—

G. H. Armitage, M.P.S., Secretary,
Registered Pharmacists' Union,
14 Lovelace Road, East Barnet, Herts.

G. H. ARMITAGE

## REGIONAL CONFERENCE AT READING

SIR,—The first annual conference of the South Midlands Regional Group of the Pharmaceutical Society (which comprises the Guildford, Oxford, Reading and Slough Branches) is being held in Reading on Sunday, April 19. The conference will be preceded by a religious service to be held in St. Laurence's Church at 3.15 p.m. After the service afternoon tea will be served. The main subjects for discussion at the Conference will be:

(1) The "Modified Draft Revised Statement on Matters of Professional Conduct." A speaker from H.Q. will lead the discussion.

(2) The "Registration of Assistants." The discussion will be led by Mr. E. A. Burton, Ph.C.

To ensure everyone's comfort the organisers would be grateful if those who wish to attend the Conference would notify the undersigned. Prospective candidates for election to the Society's Council will be especially welcome.

105 WOKINGHAM ROAD, H. WILLIAMS
READING, BERKS

## ELECTION CANDIDATES' THANKS

SIR,—May I be permitted, through the medium of your journal, to thank those of my colleagues who returned me to the Executive Committee of the National Pharmaceutical Union in the recent election. I shall continue to serve them to the best of my ability.

HOVE, 3 DONALD W. HUDSON

SIR,—Through the medium of THE CHEMIST AND DRUGGIST I would like to thank all those N.P.U. members in the Eastern Division 1 who voted for me in the recent N.P.U. elections. I am conscious of the renewed confidence which has been placed in me by my re-election on to the Executive Committee; and I shall continue to do my utmost to provide the Division with effective representation on the Executive, and to be of service to individual members of the electorate at all times.

MANSFIELD, NOTTS J. SPAANDERMAN

SIR,—May I, through your columns, express my thanks to all who voted for me in the recent N.P.U. Executive election. The result has been most gratifying, and the poll showed up well compared with other districts. It is remarkable, however, that approximately 40 per cent. of the voters in the North-west are not interested enough to return a voting paper. In fact, this is the case throughout the country. It is very disturbing to those who are prepared to give their time in the service of their fellow pharmacists that this apathy should exist. No results can give a true picture of opinion unless that opinion is shown by expressing it on a ballot paper.

PRESTON F. SMITHSON

# Onward from Galen

## A CURRENT CAUSERIE

APRIL 7, the anniversary of the founding of the World Health Organisation in 1948, is being set aside in most of the eighty-three member-countries of the Organisation as World Health Day so that each country may take stock of of its achievements and setbacks in the planning of its health programme. Special activities throughout the world on that day will include public ceremonies, displays and open days at health installations, etc. In a message on the theme "Health is Wealth," the motto for World Health day, 1953, Dr. Norman D. Begg (director, WHO Regional Office for Europe) pays tribute to the lead that Europe has given in extending medical services, "the cost of which, when viewed alone, may appear to be an appreciable financial burden, but in fact is a small investment in terms of a future dividend of health and prosperity." "No country," he adds, "can afford the luxury of preventable illness nor indeed can it hope to benefit fully from economic recovery without healthy peoples."

★

A SUGGESTION made by a Mr. H. H. Campbell (head of the Pharmacy department, Heriot-Watt College, Edinburgh) (p. 340) would, if adopted, both help to solve chemists' difficulties in obtaining locums and give post-graduate apprentices a better opportunity of obtaining employment in "private" pharmacies. The proposal is that, after the one-year apprenticeship necessary as a condition of qualifying has been served, the newly-fledged pharmacist should do a period of locum work for his former apprentice-master. As that would be, for the majority of apprentices, in July, it would ensure a holiday—the cynical would say a much needed one—for the apprentice-master. Nobody wants to tie the apprentice unduly, but an arrangement that gives all the advantages to the apprentice and all the worry to his employer can only have a deterrent effect on chemists who might otherwise be willing to take on apprentices. Graduates, therefore, might be doing themselves a good turn in voluntarily entering into such an understanding, though we would hesitate to recommend any compulsory scheme.

★

WITHOUT claiming entire credit for the wide margin by which Cambridge defeated Oxford in the inter-university boat race on March 28, Vitamins, Ltd., Hammersmith, are certainly under the impression that they contributed to the success of the Light Blues, to whose crew in training they had provided a well known proprietary food supplement. The sight of the company's factory sign "Bemax for athletes" must have been galling indeed to the Oxford cox as the runners-up came beyond Hammersmith bridge. In another way Messrs. Vitamins co-operated handsomely to making the occasion a successful spectacle for, on stands at the Bemax, Atlanta, and St. Peter's wharves of their riverside factory, and on its floors and roof, they accommodated and entertained about 1,200 guests—mainly doctors but with a fair sprinkling of hospital pharmacists—who had the advantage of being able to compare the relative skill of the two crews in facing the only rough water of the course.

# SHARE MOVEMENTS, January to March

By a Financial Correspondent

BUSINESS in drug trade company ordinary shares on the London Stock Exchange during the first quarter of 1953 was on a larger scale than was evident during the last quarter of 1952 and most price moves favoured holders. The trend was common to all industrial sections.

Exceptions to the general tendency were provided by Evans Medical Supplies 5s. ordinary which closed 1s. 1½d. down at 4s. 9d., and by Howards & Sons £1 ordinary which finished 2s. 7½d. lower at 18s. 1½d. Dealings in the latter, however, were not very frequent, so the move can hardly be regarded as having been adequately tested. Regular dealings were done in Monsanto Chemicals 5s. ordinary, which finished 1s. 7½d. down at 21s. 9d., after having been dealt in up to over the 24s. mark in the meantime. Regular business was also completed in Borax Consolidated £1 deferred, which closed 2s. lower at 35s. 1½d.

A good feature was provided by Reckitt & Sons £1 ordinary, which continued to change hands on practically every business day, and which finished about 3s. 6d. to the good at 87s. 10½d. after having been dealt in up to 89s. 6d. meanwhile. During the past six months, therefore, those shares have moved by about 7s. in favour of holders. Elsewhere in the highest-priced group, Allen & Hanburys £1 ordinary were valued 6s. 3d. higher at 62s. 6d. They thus regained their 2s. 1½d. loss in the last quarter of 1952.

In the medium-priced group, Smith & Nephew & Associated Companies 4s. ordinary closed about 3s. better at 21s. Albright & Wilson 5s. ordinary were also a firm feature, as they finished about 2s. 6d. higher at 18s. 1½d.—about their highest since the beginning of 1952.

Boots Pure Drug 5s. ordinary continued to change hands on almost every business day and closed without quotable change at 20s. 1½d. They were dealt in up to 21s. 4½d. in the meantime, however. Beecham Group 2s. 6d. deferred were again a freely marketable security, and also finished practically unaltered at 12s. 3d., after deals at nearly 13s.

Aspro 5s. ordinary were noteworthy in that they finished 2s. better at 19s. 3d. They have thus more than extinguished the 1s. or so loss which they recorded during the last quarter of 1952. The company's annual report is due within the next few months. In the summer of 1952 its net profit was given at about £129,000 down, but dividend was maintained at a total of 35 per cent.

Firmness was also evident in The British Drug Houses 5s. ordinary, which closed about 1s. 6d. higher at 11s. 3d.—about their highest since the beginning of 1952. The company's annual report is also due for publication within the next few months. In the summer of 1952 its net profit was given as a shade over £244,000 for the year ending December 31, 1951, against £178,000 odd for the previous year. The former figure was the third consecutive profit increase, and was the result of a record sales total of more than £5½ millions. In the lowest-priced group, a good feature was provided by Amber Chemical Industries 2s. ordinary which nearly doubled in value by closing at 1s. 10½d. Solidol Chemical 2s. ordinary trebled in value, finishing at 9d.

In the preference share section, moves were mainly adverse, and the trend of the last quarter of 1952 was consequently reversed. A feature was Howards & Sons £1 5½ per cents., which were priced about 1s. 6d. down at 16s. 10½d. The volume of business, however, was small. Elsewhere, Allen & Hanburys 7 per cent. preferred ordinary were priced 1s. 6d. lower, also, at 23s. 6d. A gain of nearly 1s. was recorded by Yardley & Co. £1 4½ per cent. seconds, which finished at 17s. 1½d.

Resistance to the general trend was also evident in Savory & Moore £1 5½ per cents., which closed almost unaltered at 18s. 4½d. and for Glaxo Laboratories 10s. 8 per cents., which ended without quotable change at 14s. 1½d.

| Name of Company £1 units unless otherwise stated | 1953 High | | 1953 Low | | Latest | |
|---|---|---|---|---|---|---|
| | s. | d. | s. | d. | s. | d. |
| Albright & Wilson, 5s. ... ... | 18 | 3 | 16 | 0 | 18 | 1½ |
| Allen & Hanburys, ord. ... ... | 62 | 6 | 55 | 6 | 62 | 6 |
| Do., 7% prefd. ord. ... ... ... | 23 | 6 | 23 | 3 | 23 | 6 |
| Amber Chemical Industries, 2s. ... | 1 | 10½ | 1 | 0 | 1 | 10½ |
| Aspro, 5s. ... ... ... ... | 19 | 4½ | 16 | 7½ | 19 | 3 |
| Barclay & Sons ... ... ... | 30 | 0 | 30 | 0 | 30 | 0 |
| Beecham Group, 2s. 6d. defd. ... | 12 | 11 | 11 | 3 | 12 | 3 |
| Beecham McLean Holdings, 4% red. cum. pref. ... ... ... ... | 16 | 6 | 15 | 7½ | 15 | 9 |
| Boots Pure Drug, 5s. ... ... | 21 | 4½ | 20 | 0 | 20 | 1½ |
| Boots (Eastern), 6% cum. A prefd. | 23 | 1½ | 22 | 4½ | 23 | 1½ |
| Do. (Western), 7% A prefd. ord. | 25 | 9 | 24 | 3 | 25 | 3 |
| Borex Consolidated, defd. ... ... | 38 | 0 | 34 | 3 | 35 | 1½ |
| British Drug Houses, 5s. ... ... | 11 | 3 | 9 | 4½ | 11 | 3 |
| Bush, W. J., & Co. ... ... ... | 43 | 0 | 39 | 6 | 43 | 0 |
| Dubarry Perfumery, 1s. ... ... | 1 | 10½ | 1 | 4 | 1 | 8¼ |
| Dufay, 2s. ... ... ... ... | 1 | 3 | | 6 | | 10 |
| Evans Medical Supplies, 5s. ... ... | 5 | 7½ | 4 | 3 | 4 | 9 |
| Glaxo Laboratories, 10s. ... ... | 43 | 0 | 34 | 0 | 43 | 0 |
| Do. 10s. 8% cum. prefd. ord. ... | 14 | 4½ | 13 | 6 | 14 | 1½ |
| Greef Chemical Holdings, 5s. ... | 17 | 1½ | 16 | 6 | 16 | 6 |
| Howards & Sons ... ... ... | 20 | 9 | 18 | 0 | 18 | 1½ |
| Do. 5½% cum. pref. ... ... | 16 | 10½ | 16 | 10½ | 16 | 10½ |
| Ilford, 5s. ... ... ... ... | 15 | 10½ | 13 | 0 | 13 | 4½ |
| Monsanto Chemicals, 5s. ... ... | 24 | 4½ | 21 | 9 | 21 | 9 |
| Reckitt & Sons ... ... ... ... | 89 | 6 | 84 | 6 | 87 | 10½ |
| Savory & Moore, 5½% red. cum. pref. ... ... ... ... ... | 18 | 4½ | 18 | 3 | 18 | 4½ |
| Smith & Nephew & Associated Companies, 4s. ... ... ... | 21 | 0 | 18 | 0 | 21 | 0 |
| Solidol Chemical, 2s. ... ... ... | | 9 | | 3 | | 9 |
| Southalls (Birmingham), 5s. ... ... | 25 | 6 | 22 | 6 | 23 | 4½ |
| Taylors (Cash Chemists) London 6% cum. pref. ... ... ... ... | 20 | 9 | 19 | 7½ | 20 | 4½ |
| Taylors (Cash Chemists) Trust 6% cum. pref. ... ... ... ... | 20 | 7½ | 19 | 4½ | 20 | 4½ |
| Vitamins, 1s. ... ... ... ... | 2 | 4½ | 1 | 10½ | 1 | 10½ |
| Whites (Timothy) & Taylors, 5s. ... | 31 | 6 | 26 | 6 | 31 | 4½ |
| Do. 7½% cum. pref. ... ... | 26 | 3 | 24 | 6 | 26 | 3 |
| Wright, Layman & Umney ... ... | 19 | 0 | 19 | 0 | 19 | 0 |
| Yardley & Co., 4s. .. ... .. | 21 | 6 | 21 | 6 | 21 | 6 |
| Do. 4s. A ... ... ... ... | 22 | 6 | 19 | 10½ | 22 | 6 |
| Do. 4½% second pref. ... ... | 17 | 3 | 16 | 9 | 17 | 1½ |

## ALOES

*SWARTHY, shiny, bucolic—*
*Eyes bulging,*
*Of a jaundiced hue—*
*Such was*
*Signor Aloes of Curaçao.*

*His cousin of Barbados*
*Lacked his spleenish ire,*
*While his relations*
*In South Africa*
*Were told that native colour*
*Is abhorred,*
*That apartheid*
*Applies to all their tribe,*
*And that they have*
*Few rights*
*Within their kingdom.*

*Cape aloes*
*Who had done so much*
*To ease the white man's burden,*
*Now was barred*
*To live where he belonged—*
*He who had so well striven*
*To make men kin.*

HERBERT A. BERENS

# ESSENTIALS OF TREATMENT

A *C. & D.* "post graduate" course for pharmacists

DEALING SPECIALLY WITH THE PHYSIOLOGICAL AND PHARMACOLOGICAL PRINCIPLES INVOLVED

By a Medical Man

## 9. NEPHRITIS

MANY attempts have been made to correlate the various types of nephritis. One of the most popular descriptions referred to them as acute, subacute and chronic, but the classification suggested by Ellis in 1942 is finding increasing favour. In that classification there are two main types: Ellis type I, which includes those cases formerly known as acute and chronic; and Ellis type II, which embraces subacute nephritis and certain conditions known as nephroses. In this article the Ellis classification is used throughout.

### *Ellis Type I*

Type I nephritis sometimes follows an acute upper respiratory infection, and usually, when the history of the case is taken, the patient admits to having had an attack of tonsillitis or perhaps scarlet fever a few weeks previously. Usually the causal organism of the infection is *Streptococcus β-haemolyticus,* but nephritis can follow infections due to other organisms such as the pneumococci, gram-negative cocci and others. Although the exact ætiology of type I nephritis is not fully understood, there is a good deal of evidence to suggest that the infecting organism reacts with certain proteins present in kidney tissue and produces an antigen. That acts as a foreign protein and encourages antibody formation. One or two weeks later, when the antibody titre reaches its peak in the tissue fluids, it reacts with the specific proteins of the kidney and causes an acute glomerulonephritis. It can be seen, therefore, that nephritis is not a local bacterial infection of the kidney but rather the result of a toxic reaction. The frequency of the *beta*-haemolytic streptococcus as a causal organism of tonsillitis and pharyngitis explains the practice of examining patients' urine two or three weeks after an illness of this character.

Signs and symptoms include headache, malaise, vomiting, fever, hypertension and œdema. The patient also complains of a diminished urinary output and sometimes the presence of blood in the urine (haematuria) is obvious. In severe cases, the patient may have convulsions, which are due to the effect of the high blood pressure on the brain, a condition known as hypertensive encephalopathy. Laboratory findings show an increase in the blood urea and the presence of albumen and red blood cells in the urine. The clinical signs and symptoms vary from case to case according to its severity, but usually œdema and hypertension are present. The laboratory findings described are present in every case.

Treatment is designed to place the minimum load on the kidneys and the first essential in this direction is to confine the patient to bed and give him a diet which has a low protein content, while the acute phase persists. That may be for as long as three months in some cases, but it is encouraging for the patient to know that, with proper treatment, the majority of cases recover. About 10 per cent. die in the acute phase, and another 10 per cent. pass into a latent phase and ultimately die. The progress of the patient is determined by his general condition and return of the blood urea and blood pressure to within normal limits by the disappearance of œdema of the tissues and the diminished quantity and eventual disappearance of albumen from the urine. Some physicians allow patients to increase the protein in the diet, when the blood pressure and blood urea return to normal. There is some evidence, from experiments on animals, that the kidney is not ready to undertake the full excretory functions at this stage, but there is no confirmatory evidence in clinical practice on human beings to support those findings.

In addition to protein restriction, the salt intake of the patient is severely restricted and, so far as possible, a salt-free diet is given. There is some evidence to suggest that pharmacy may be able to relieve the tedium of a salt-free diet. Recently certain ion-exchange resins have been introduced, the pharmacological properties of which is to block the absorption of sodium chloride from the intestines. Biochemical control is, however, advisable when the resins are used because potassium metabolism may be disturbed. Antibiotics and chemotherapy have no place in the treatment of nephritis, though penicillin may be indicated in the preceding upper respiratory infection. Where convulsions occur, due to hypertensive encephalopathy, 8 oz. of 25 per cent. solution of magnesium sulphate per rectum, and 5 mils of 25 per cent. solution of magnesium sulphate intramuscularly, sometimes provide relief. Lumbar puncture is sometimes practised in such cases also, and venesection, with the rapid withdrawal of up to a pint of blood, depending upon the age and size of the patient, can be of value. If these measures fail 50 to 100 mils of 50 per cent. dextrose solution intravenously may help.

Fuller descriptions of protein-reduced diets can be found in the appropriate textbooks, but generally speaking adequate proteins are provided in a diet composed of milk, eggs, cereals, vegetables and fruit. In very severe cases where there is complete anuria it is possible to feed the patient by means of a continuous intra-gastric drip, passing through a stomach tube an emulsion having the following formula:—

Dextrose, 400 gm.
Peanut oil, 100 gm.
Acacia, a sufficient quantity.
Water to 1 litre.

One litre should be given during a twenty-four-hour period.

Although the outlook for patients suffering from type I nephritis is reasonably good one should not indulge in rash prophecies. The condition is one to be treated seriously, and unfortunately the severity of the disease in the initial stages of the acute phase is no indication of the ultimate prognosis. From the lay viewpoint one would think that frank haematuria is a sign of ill omen but in actual practice the reverse appears to be the case.

### *Type II Nephritis*

Type II nephritis has no sudden onset but is insidious in its development. The ætiology is still unknown. The most obvious sign is œdema, which is much more marked and persistent than in type I nephritis. The œdema is accompanied by a marked albuminuria, but there is an absence of macroscopic blood in the urine, though a few blood cells may be evident in the centrifuged deposit. The blood pressure is not raised in the early stages and the blood urea may be within normal limits. The protein content of the

blood is, however, reduced, and it is thought that the reduced protein content of the blood, with a consequent reduction in the osmotic pressure of blood fluids, causes the œdema. In the final stages, when renal failure occurs, the blood urea is raised and hypertension results.

Treatment consists of giving a high protein diet with restriction of the fluid intake and salt. The high protein diet is given in the hope of raising the concentration of proteins in the blood plasma. Mersalyl can be used in selected cases to encourage diuresis and thus reduce the œdema.

Whereas the prognosis in type I nephritis can be said to be reasonably hopeful, it is black indeed for those suffering from type II. It has been said that fewer than 5 per cent. ever recover from this progressive condition. Death usually results from uraemia, intercurrent infections or cerebral catastrophe such as cerebral hæmorrhage.

Nephritis still provides a vast field for pharmacological and clinical research. All the available evidence suggests that if a specific cure is to be found, it will be produced in the pharmaceutical laboratories rather than in surgery.

Pyelo-nephritis, pyelitis and renal calculi are not related to nephritis, and their treatment will be discussed later.

# REMODELLING A PHARMACY

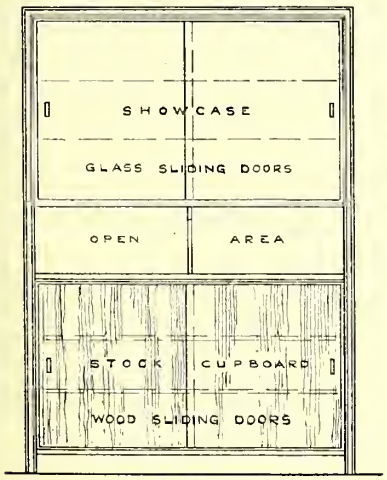
## 5. Glass-fronted cases

By James Grimm

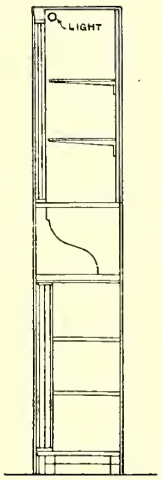
THE previous article in this series, published on March 21, gave details of drug fittings. Continuing with the interior fitments, the present contribution illustrates wall fittings suitable for cosmetics, toilet requisites, and the many and varied items the chemist preferably carries behind glass doors.

As with the drug fitment, the showcase fittings are designed upon the unit principle, each measuring 5 ft. wide by 7 ft. high by 18 in. (approx.) from back to front. The question of size is often one of personal preference, or perhaps a required stock capacity dictates fittings of a certain size. The examples shown indicate a modern trend in design and, because of their compact unit size, lend themselves to easy handling should removal or internal change be found necessary.

The first showcase fitting is approximately 16 in. from back to front, and has a hardwood moulded architrave surround, which gives it a clean bold outline. The upper section of the fitting consists of a showcase having a narrow internal hardwood frame, within which a pair of all-glass sliding doors operate upon patent runners. Each door has a sunk finger pull within the thickness of the glass. Internally the showcase may be either decorated or veneered. If it is decorated in colour, pastel shades are to be recommended, and those on the warm side of the spectrum are usually preferable to the colder shades. Similarly if veneers are used, they should be light in colour, like sycamore or birds-eye maple, as light shades make a better background for merchandise than the darker veneers. Light-colour interiors also refract the light better, should tube lighting be adopted behind the top architrave member, as indicated on the section through the fitting. Two lines of adjustable plate-glass shelves are also shown, carried upon tapped bars and brackets.

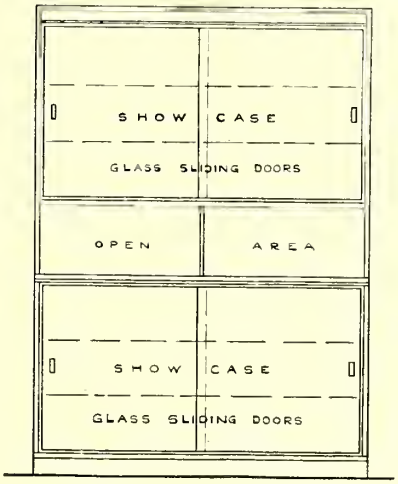



ELEVATION

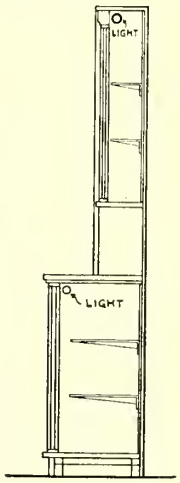



SECTION

Glass sliding doors, while giving maximum visibility, are not dust-proof. Should the chemist decide that all or some of his showcases must be dustproof, it will be necessary to have hinged doors with dustproof beaded frames. Sliding doors allow the service gangway between the back line of the counter and the fitting face to be reduced to




ELEVATION




SECTION

the minimum, but if hinged doors are fitted the gangway must be increased to ensure easy access to the stock. Directly below the showcase an open shelf area approximately 12 in. high is shown. It forms a service shelf when articles are taken out of either the upper showcase or the lower cupboard. A central, shaped bracket supports the showcase above. The lower part of the fitting is a stock cupboard, fitted with a pair of vertically veneered wood sliding doors, each with sunk bronze finger-pull. Internally the cupboard would have one vertical centre division and two lines of fixed wood shelves.

The second drawing shows a similar fitting except that the construction is simpler, and the top and bottom depths vary. The architrave surround has been omitted, and plain hardwood lipped cheeks are shown. The upper part of the fitting is again a showcase, but the depth is only 9½ in. A small pelmet board is required to conceal the lights, and the case interior would be either decorated or veneered. The open shelf area is again repeated below the upper case, but here the service shelf is wider, as the lower half of the fitting is 18 in. from back to front.

The fitting is shown with a showcase in the lower half as there is sometimes a fitting—possibly at the end of a run of wall fittings—which is not concealed in the lower half by a front service counter, and which can have considerable selling power if treated with illuminated showcases above and below.

## MISCELLANEOUS INQUIRIES

**Moss on Lawns**

*Can you give me a method of destroying moss on lawns?—R.B.*

MOSS is likely to occur on lawns when they are insufficiently drained. A method of dealing with it consists of a fortnightly loose scattering of ammonium sulphate mixed with twice its volume of sand, followed by watering. By that means the soil is kept slightly acid.

**Sheen in Creams**

*How is "sheen" obtained in vanishing and shaving creams?—Y.A. (9/7).*

THE sheen in vanishing and shaving creams is provided by stearates. Suitable proportions of stearic acid for that effect are indicated in the following formula:—

| | |
|---|---|
| Stearic acid | 33.6 |
| Cocoanut oil | 6.4 |
| Triethanolamine | 1.0 |
| Glycerin | 8.0 |
| Potassium hydroxide | 7.11 |
| Sodium hydroxide | 0.35 |
| Water | 43.04 |
| Perfume | 0.5 |

**Sterilising a Swimming Pool**

*How can water in a small swimming pool be sterilised?—W.B.*

THE addition each day of two to four pints of liquor sodæ chlorinat. conc. (10 per cent. available chlorine) should give a concentration of chlorine of approximately 0·6 parts per million. The amount of free chlorine that should be present in swimming pool water is usually considered to be between 0.2 and 0.5 parts per million and the amount of chlorine to be added to effect that concentration depends, of course, on the amount of oxidisable matter present in the water. It is recommended, therefore, that the chlorine content should be checked after adding the liquor sodæ chlorinat. conc. Advice is given in a Ministry of Health booklet entitled "The Purification of the Water of Swimming Baths," price 1s. 6d., obtainable from H.M. Stationery Office.

**Termination of Employment**

*What is the period of notice, if any, between an employer and a part-time worker?—E.H. (10/12).*

ESSENTIALLY there is no difference between the notice-periods required for part-time and full-time workers, provided the part-time work is "regular." The National Joint Industrial Council for Retail Pharmacy recommends that, "Subject to Common Law rights, termination of employment shall be by one month's notice on either side in the case of qualified managers, qualified manageresses, qualified assistants and assistants (who have completed Articles of Pupilage but have not qualified), and one week's notice on either side in the case of all other employees." It should be noted that, if a servant is dismissed without notice, he or she is entitled to a week's or a month's wages as the case may be; but if a servant leaves without the requisite notice, then the employer is entitled to such damages as he is put to by reason of the servant's breach.

# GUIDE TO NEW MEDICAMENTS

**Giving information about proprietary products supplied principally on prescription. Reprints on perforated gummed paper for affixing to index cards are available free of charge to subscribers on application to the Editor.**

### PANCREATIN GRANULES (C & A)

MANUFACTURER: Clay & Abraham, Ltd., 87 Bold Street, Liverpool, 1.

DESCRIPTION: Enteric-coated granules of pancreatin that has been standardised to contain three times the activity of pancreatin, B.P.

INDICATIONS: Fibrocystic disease of the pancreas.

DOSAGE: Average 45 gr. with each feed. Small babies 15-30 gr. with each feed.

HOW SUPPLIED: In bottle containing 8 oz. FIRST ISSUED: October 1952.

### CALADRYL CREAM

MANUFACTURER: Parke, Davis & Co., Ltd., Staines Road, Hounslow.

DESCRIPTION: A water-miscible preparation containing 1 per cent. of Benadryl (diphenhydramine hydrochloride) with calamine, camphor and glycerin.

INDICATIONS: Urticaria, contact dermatitis, cosmetic allergy and other allergic skin conditions, measles, herpes zoster and chicken-pox; irritation from sunburn, insect-bites, nettle and bee-stings, and in teething and napkin rashes.

USE: Apply locally to the part. FIRST ISSUED: February 1953.

HOW SUPPLIED: In collapsible tube containing 1½ oz. and in jar of 1 lb.

### METHIMAZOLE

BRAND NAME: **TAPAZOLE***

MANUFACTURER: Eli Lilly & Co., Ltd., Basingtoke, Hants.

DESCRIPTION: 1-methyl-2-mercaptoimidazole.

INDICATIONS: Hyperthyroidism.

DOSAGE: Average 5 to 10 mgm. three times a day until the condition is under control.

MAINTENANCE: About 5 to 10 mgm. daily given in divided doses.

HOW SUPPLIED: In (scored) tablets each containing 5 mgm. in bottles of 100 and 1,000.

NOTES: The preparation should be used with caution, and patients should be under constant medical supervision.

FIRST ISSUED: January 1953.

### PYCAMISAN

MANUFACTURER: Herts Pharmaceuticals, Ltd., Welwyn Garden City, Herts.

DESCRIPTION: Cachets containing isoniazid (Pycazide) and the sodium salt of para-aminosalicylic acid (PAS, Paramisan).

INDICATIONS: Tuberculosis.

DOSAGE: As directed by the physician. The type and number of cachets (see below) being selected to give a normal dose of 300 mgm. per day of isoniazid, with from 9 to 18 gm. per day of PAS.

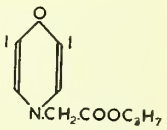
HOW SUPPLIED: Pycamisan 25: PAS 1.5 gm.; isoniazid, 25 mgm. (twelve cachets per day ≡ PAS, 18 gm. and isoniazid 300 mgm.). Pycamisan 33: PAS, 1.5 gm., isoniazid, 33.3 mgm. (nine cachets ≡ PAS, 13.5 gm. and isoniazid, 300 mgm.). Pycamisan 50: PAS, 1.5 gm.; isoniazid, 50 mgm. (six cachets ≡ PAS, 9 gm. and isoniazid, 300 mgm.). Each strength in box of 100 cachets. FIRST ISSUED: February 1953.

### PROPYLIODONE

BRAND NAMES: **DIONOSIL, DIONOSIL OILY**

MANUFACTURER: Glaxo Laboratories, Ltd., Greenford, Middlesex.

DESCRIPTION: n-Propyl ester of 3:5 diiodo-4-pyridone-N-acetic acid prepared as a contrast medium for bronchography.




USE: The aqueous or oily suspension (see below) is used in a dosage of 0.75 c.c. to 1 c.c. for each year of age, up to a maximum of 12-18 c.c.

HOW SUPPLIED: As a 50 per cent. suspension in water with buffering and bacteriostatic agents, or in arachis oil (Dionosil oily). Aqueous and oily preparations in 20 c.c. vials.

FIRST ISSUED: Aqueous suspension, November 1952; oily suspension, February 1953.

## TERCIN

MANUFACTURER: The British Drug Houses, Ltd., Graham Street, City Road, London, N.1.

DESCRIPTION AND FORMULA: Tablets each containing: Acetylsalicylic acid, gr. 5; phenacetin, gr. 3; butobarbitone, gr. ½.

INDICATIONS: Relief of mild forms of pain.

DOSAGE: One or two tablets. A total dose of eight tablets in twenty-four hours should not be exceeded normally.

HOW SUPPLIED: In dispensing packs of 200 and 1,000.

FIRST ISSUED: November 1952.

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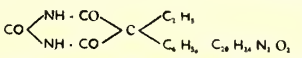
## QUINIDINE PHENYLETHYLBARBITURATE

BRAND NAME: **NATISEDINE***

MANUFACTURER: Laboratory Nativelle, Ltd., 74 White Lion Street, London, N.1.



**Quinidine phenylethylbarbiturate**

INDICATIONS: Anxiety states, distress, insomnia, nervousness, palpitations, extrasystoles.

DOSAGE: One to two tablets (see below) daily, taken whole or in half tablets throughout the day.

HOW SUPPLIED: In bottles of twenty tablets each containing 0.1 gm. of quinidine phenylethylbarbiturate.

FIRST ISSUED: September 1952.

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## TYROSOLVEN

MANUFACTURER: William R. Warner & Co., Ltd., Power Road, London, W.4.

DESCRIPTION AND FORMULA: Lozenges each containing: Tyrothricin, 1 mgm.; and benzocaine, 5 mgm.

INDICATIONS: Gingivitis, stomatitis, tonsillitis and pharyngitis; following tonsillectomy and other surgical operations of the mouth and pharynx. Also prophylactically.

DOSAGE: Adults and children: One lozenge to be sucked sublingually every three hours—see folder.

HOW SUPPLIED: In tube of twenty and dispensing pack of 250.

FIRST ISSUED: January 1953.

REFERENCES: Skadhauge, *Ugeskr. Laeg.*, 1949. **111.** 39. 1065-68; Osterberg, *ibid.*, 1068-75; Falbe-Hansen, *ibid.*, 1075 76.

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## VERILOID INTRAMUSCULAR SOLUTION

MANUFACTURER: Riker Laboratories, Ltd., 29 Kirkewhite Street, Nottingham.

DESCRIPTION: A sterile isotonic solution containing *Veratrum viride* alkaloids equivalent to 1 mgm. of Veriloid standard reference powder per c.c., and procaine hydrochloride 1 per cent., in 0.25 per cent. acetic acid.

INDICATIONS: Hypertensive states accompanying cerebral vascular disease, malignant hypertension, hypertensive crises (encephalopathy), toxæmia of pregnancy, pre-eclampsia and eclampsia.

DOSAGE: The preparation is given by a carefully controlled routine. The first injection should be of 0.25 c.c. per 50 lb. of body weight, but should not exceed 1 c.c. Subsequent doses are fixed by careful observation of the first dose.

HOW SUPPLIED: Box of six ampoules each containing 2 c.c. of solution.

FIRST ISSUED: January 1953.

NOTES: The preparation must not be given intravenously.

REFERENCES: Stutzman and Maison, *Federation Proc.*, 1950. **9.** 318; Stearns and Ellis, *New England J. Med.*, 1952. **246.** 397; Swiss and Maison, *J. Pharmacol. and Exper. Therap.*, 1952. **105.** 87; Kauntze and Trounce, *Lancet*, 1951. **260.** 549; *ibid.* **261;** Kauntze, *Proc. Royal Soc. Med.*, 1952. **45.** 276.

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* Cross references for card index:—

**DIONOSIL:** see PROPYLIODONE

**DIONOSIL OILY:** see PROPYLIODONE

**NATISEDINE:** See QUINIDINE PHENYLETHYLBARBITURATE.

**TAPAZOLE,** see METHIMAZOLE

# NEW GERMAN PROPRIETARIES

**Information from German pharmaceutical periodicals about recently introduced proprietary specialities:—**

CITOCILLIN.—Supplied in ampoules each containing oxyprocaine penicillin, 300,000 units; crystalline penicillin G (sodium salt) 100,000 units together with ampoules containing 2 mils of solvent (an extract of *Echinacea purpurea*) by Chemie Grünenthal G.m.b.H., Stolberg-am-Rhein. For all infections amenable to penicillin therapy. Dosage: one daily by intramuscular injection. (*Apothekertz*, January 1953).

GLUTAMINETTES.—(+)-Glutamine acid tablets in a form resistant to gastric juices. Indicated for failing physical and mental efficiency, loss of memory, power of concentration, etc. Dose: 3-4 tablets three times daily. Issued in aluminium boxes of 100 tablets and packs of 250 tablets by Chemiewerk, Homburg A.G., Frankfurt-am-Main. (*Arzneimittelforschung*, January.)

GYNODAL. — 4-Butylamino-2-oxybenzoic acid. diethylaminoethyl ester hydrochloride, 0.075 gm.; suppository base, 1.95. Indicated in primary spastic dysmenorrhœa, parametropathia spastica, spastic constipation, gynæcological examinations, etc. Issued in cartons of five and a hospital pack of fifty by Chemiewerk, Homburg A.G., Frankfurt-am-Main. (*Arzneimittelforschung*, January.)

PHOSADEN.—Tablets each containing adenosin-5-monophosphoric acid 20 mgm. Indicated in coronary and peripheral circulatory disturbances and thrombophlebitis. Dose: One tablet, five times daily sublingually at intervals of one hour. Packs of fifty and 200 tablets are issued by Zellstoff-fabrik Waldhof Pharmazeutische Abteilung, Wiesbaden. (*Arzneimittelforschung*, January.)

RETENSIN. — 1:2:3-tri-($\beta$-triethylamino-ethoxyl)-benzol-triiodide. An anæsthetic for relaxing the muscles in all indications of intravenous curare. Dose: 40-80 mgm. initially by intravenous injection. Further doses should be smaller. A solution (40 mgm. per mil) is issued in bottles of 10.2 mils by Asta-Werke A.G., Chemische Fabrik, Brackwede, Westphalia. (*Arzneimittelforschung*, January).

SUCCINYL-ASTA and SUCCINYL-ASTA FORTE.—Bis-choline-succinate-diiodide for intubation, surgical operations of short duration, setting fractures and in dislocations, etc. Dose: According to body weight. Succinyl-Asta contains 10 mgm. of the compound per mil and Succinyl-Asta forte 50 mgm. per mil. Made by Asta-Werke A.G. Chemische Fabrik, Brackwede, Westphalia. (*Arzneimittelforschung*, January.)

UVIACID.—Tablets each containing vitamin D 0.01 mgm. (400 units) in a colloidal water-soluble milk protein compound with citric acid 0.4 gm and calcium phosphate 0.1 gm. Indicated in prolonged prophylaxis or treatment of rickets and spasmophilia. Dose: One tablet with 100 gm. of milk. Packs of 100 and 1,000 (hospital pack) tablets issued by Chemische Werke Albert, Wiesbaden, Biebrich. (*Arzneimittelforschung*, January.)

FORTECILLIN.—Supplied in ampoules containing procaine penicillin G, 400,000 units; buffered penicillin G (sodium salt), 100,000 units; crystalline dihydrostreptomycin sulphate, 500,000 units together with ampoules containing 2 mils sterile water, by Bayer, Leverkusen. Indicated in tuberculosis where other infections exist or are feared. Dosage: In acute infections, one or two injections daily; in chronic infections, one daily (*Apothekertz*, January 1953).

NORMOVAGIN. — Vaginal suppositories each containing lactic acid 0.17 gm., calcium lactate 0.3 gm., sugar of milk 0.4 gm., dioxy-$\alpha$:$\beta$-diethylstilbene 0.1 gm., urea 0.42 gm. Used after treatment of bacterial or non-bacterial leucorrhœa. Dose: One administered daily for the first week; one every other evening in the following two weeks. Packed in aluminium boxes of six and hospital pack of forty-eight by Chemiewerk, Homburg A.G., Frankfurt-am-Main. (*Arzneimittelforschung*, January.)

# TRADE REPORT

**Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.**

LONDON, APRIL 1: Buying of PHARMACEUTICAL and FINE CHEMICALS continued on a reduced scale with several price changes, mainly downward, during the week. The price of CREAM OF TARTAR was lowered by 20s. per cwt. and RESORCINOL by 1s. 5d. per lb. To meet competition from imported material a number of ALKALOIDS have been shaded in price by the British manufacturers. An important reduction in the price of ALCOHOLS took effect on April 1. ETHYL ALCOHOL is reduced by 1s. per proof gall., industrial methylated and mineralised methylated by approximately elevenpence per gall. The last price movement, also downward, was in September 1952.

All grades of ACETIC ACID were reduced on March 30 by varying amounts according to size of order. One-ton lots are £10 cheaper, whilst 40-gall. casks are £8 per ton less than previously. BUTYL, ISOBUTYL, ETHYL and ISOPROPYL ACETATES were also reduced by the makers on the same date. ACETIC ANHYDRIDE was cut by about £12 per ton.

Supplies of a number of botanical drugs are becoming scarce on the spot; they include BUCHU, good "pinky" RHUBARB, and Sierra Leone CHILLIES. Portuguese ERGOT was offered at between 17s. and 17s. 6d. per lb., with origin quoting at the same level. Prime Cape ALOES was firmer at origin by 5s. per cwt., but spot material was unchanged. GUM BENZOIN was again firmer, for the second consecutive week. BELLADONNA ROOT has been marked down on the spot, and offers of SENEGA from origin were considerably easier. White Sarawak PEPPER continues to rise: adverse weather conditions were reported to have made the crop a small one. On the other hand CLOVES are expected to be more plentiful, and prices have eased again. Lack of demand for CARDAMOMS has caused prices to drop fairly considerably; Aleppy greens were about 3s. 6d. per lb. less on the spot.

MERCURY is unchanged despite a flurry at the beginning of the week following reports of purchases by the General Services Administration in the United States for that Government's stock pile.

In the ESSENTIAL OILS market, CITRONELLA from Ceylon and Formosa were slightly higher for shipment, but PATCHOULI (Penang) was down by 2s. per lb. Oils which were quoted lower on the spot included CLOVE (Madagascar leaf) and LEMONGRASS.

## UNITED STATES DRUG AND CHEMICAL REPORT

NEW YORK, MARCH 31: Brazilian MENTHOL gained another 5 cents to $6.40 per lb. If reports from Brazil concerning a small crop prove correct, the upward price trend could be further extended, it is pointed out, especially in the face of generally reduced stocks of Japanese material. No spectacular price developments are noted in the local drug market and trade is routine in character. While it is still rather early in the year, there is a tendency among buyers to sit back and await new-crop developments. Reports from dealers and importers indicate that unsold stocks are at a low level. This is largely confirmed by the fact that there is little selling pressure evident. In fact, such articles as CASCARA, BLOOD ROOT and CHERRY BARK, show indications of advancing on the slightest improvement in buying as a result of the generally firm statistical position of the market. ORRIS ROOT is now quoted higher, with the Florentine variety at 22 cents, up 2 cents. A fair demand for ESSENTIAL OILS was reported, with price changes mixed. Higher per lb. were Floridian ORANGE at 65 cents (up 5 cents); CELERY, $18.00 (50 cents), SPEARMINT, $8.25 (5 cents); and Messina LEMON, $5.85 (55 cents). Lower per lb were Turkish GERANIUM at $6.25 (down $1.25); and redistilled PEPPERMINT, $5.90 (10 cents).

## Pharmaceutical Chemicals

ACETIC ACID.—B.P. Glacial is £102 for 1-ton and 115s. for 1-cwt. lots.

ASCORBIC ACID. — For pharmaceutical manufacturing use in the United Kingdom the rates (per kilo) are as follows:—1 kilo, £9 12s. 6d.; 10 kilo, £9 6s.; 100 kilo, £9.

ATROPINE. — Rates per oz. for British material are:—ALKALOID, 58s. 9d.; 4-oz., 58s. 3d.; 25-oz., 57s. 9d.; SULPHATE, 16-oz., 37s. 6d. Lower quotations for larger quantities.

BENZAMINE. — B.P.C. LACTATE and HYDROCHLORIDE are 180s. per lb.

CHLORAL HYDRATE.—In 1-cwt. lots the price is from 3s. 10d. per lb. as to holder.

CINCHOPHEN.—1-cwt. lots are quoted at 21s. per lb.

CREAM OF TARTAR.—Lower. Rates for the home trade are now as follows:—1-ton lots, 201s. per cwt.; 10-cwt., 202s.; 5-9-cwt., 203s.; 2-4-cwt., 204s.; 1-cwt., 205s., delivered.

HOMATROPINE HYDROCHLORIDE and HYDROBROMIDE. — In 1-lb. lots the price is 67s. 6d. per oz.

IODINE PREPARATIONS.—Rates (per lb.) are as follows:—RESUBLIMED IODINE, B.P., 1-cwt., 19s. 4d.; 28-lb., 19s. 10d.; 7-lb., 23s. 6d. IODOFORM POWDER, B.P., 1-cwt., 30s. 4d.; 28-lb., 30s. 10d.; 7-lb., 36s. 2d. (CRYSTAL, 2s. 8d. per lb. more than powder).

ISONIAZID.—Bulk lots are about 260s. per kilo.

MAGNESIUM OXIDE, B.P. — Bulk rates are as follows:—LIGHT, 3s. 3d. per lb., and HEAVY, 5s. 4d. per lb. for minimum 1-ton lots.

MAGNESIUM TRISILICATE. — In 28-lb. packages the prices (per lb.) are now as follows:—28-lb., 4s. 9½d.; 1-cwt., 3s. 10d.; 5-cwt., 3s. 8d. Bulk rates for larger quantities are from 3s. 4d. per lb.

NICOTINAMIDE. — Prices per kilo are: 1 kilo, 132s.; 50 kilos, 115s.

NICOTINIC ACID.—Prices per kilo range from 85s. 9d. to 97s. as to quantity.

NIKETHAMIDE. — Prices per kilo are: 1 kilo, 121s.; 50 kilos, 105s.

OXALIC ACID.—1-ton lots of British material are £138 per ton delivered.

RESORCINOL. — Lower. 1-cwt. lots are now quoted at 13s. per lb. by manufacturer.

SODIUM THIOSULPHATE. — Makers' price for 1-ton lots in paper - lined bags is £33 2s. 6d. per ton; 1-cwt., £2 1s. 8d.

TARTARIC ACID. — Rates for the home trade are now as follows:—10-cwt. lots, 210s. per cwt.; 5-9-cwt., 212s.; 2-4-cwt., 214s.; 1-cwt., 215s.

TEREBINTH.—B.P. is 2s. 3d. per lb. for carboy lots.

TERPINEOL. — Prices of B.P. grade are from 3s. to 3s. 6d. per lb., as to quantity.

THEOBROMINE.—Prices are as follows:—

| | 1-cwt. | | 28-lb. | | 7-lb. | |
|---|---|---|---|---|---|---|
| | s. | d. | s. | d. | s. | d. |
| ALKALOID, B.P.C. .. | 22 | 6 | 22 | 9 | 23 | 3 |
| and CALCIUM SALICYLATE .. | 18 | 6 | 18 | 9 | 19 | 3 |
| and SODIUM BENZOATE .. | 18 | 3 | 18 | 6 | 19 | 0 |
| and SODIUM SALICYLATE, B.P. .. | 15 | 6 | 15 | 9 | 16 | 3 |

Lower quotations for 5-cwt. lots.

THEOPHYLLINE.—ALKALOID is 24s. per lb.; SODIUM ACETATE, 32s. 6d.; AMINOPHYLLINE (THEOPHYLLINE WITH ETHYLENEDIAMINE), 27s.; all 1-cwt. lots.

THYMOL.—Price (per lb.) is now 20s. for 28-lb. lots.

TRIETHANOLAMINE. — Commercial grade is about 2s. 8d. per lb. for drum lots, ex warehouse.

SALICYLAMIDE.—Price (per lb.) for 1-cwt. lots is 8s. 6d.

ZINC SULPHATE. — B.P. in 1-cwt. lots is quoted at 1s. 2d. per lb.; 28-lb., 1s. 5d.

## Methylated Spirits

METHYLATORS' rates per gall. in Great Britain are as follows:—

*Industrial Methylated spirit:* Strength 61 *o.p.*, 500 gall. and over in one delivery, 5s. 0½d.; 100 gall. and under 500 gall., 5s. 2½d.; 30 gall. and under 100 gall., 5s. 4½d.; 10 gall. and under 30 gall., 5s. 6½d.; 5 gall. and under 10 gall., 5s. 9½d. Strength 64 *o.p.*, 1d. per gall.; 66 *o.p.* (B.P.), 2d.; 68 *o.p.*, 2½d.; and 74 *o.p.*, 8d. more than the above rates. Tank wagon delivery: One halfpenny per gall. off price list:—minimum 500 gall. For industrial methylated spirit of standard toilet quality prices are 5d. per gall. above foregoing prices.

*Pyridinised industrial methylated spirit:* Strength 61 *o.p.*, 500 gall. and over, in one delivery, 5s. 3½d.; 100 gall and under 500 gall., 5s. 5½d.; 30 gall. and under 100 gall., 5s. 7½d.; 10 gall. and under 30 gall., 5s. 9½d.; 5 gall. and under 10 gall., 6s. 0½d. Strength 64 *o.p.*, 1d. per gall. more than foregoing rates.

*Mineralised methylated spirit:* Strength 61 *o.p.*, in one delivery, 100 gall. and under 500 gall., 5s. 7d.; 30 gall. and under 100 gall., 5s. 9d.; 10 gall. and under 30 gall., 5s. 11d.; 5 gall. and under 10 gall., 6s. 2d. Strength 64 *o.p.*, 1d. per gall. more than foregoing rates.

*Methylated resin finish* is 3d. per gall. over, and *methylated shellac finish,* 1s. per gall. over the prices for pyridinised methylated spirit.

TERMS:—Delivered free and carriage paid on returned empties; net cash one month.

## Alcohol

Prices of ETHYL ALCOHOL per proof gall. are as follows:—

*Plain British Spirit:* (95 per cent. Gay Lussac, 66 *o.p.*); where the number of proof gall. taken over any one year ended December 31 is 300,000 or over the price is 2s. 11d.; 200,000 and less than 300,000, 2s. 11½d.; 100,000 and less than 200,000, 3s.; 50,000 and less than 100,000, 3s. 0½d.; 10,000 and less than 50,000, 3s. 1d.; 2,500 and less than 10,000, 3s. 1½d. Prices are exclusive of duty and are for tank wagon lots.

The following grades are subject to a premium on the above prices as follows:—

*Absolute Alcohol,* 99.5 per cent., 74.5 *o.p.*, 2d. more per proof gall; the special high strength (99.9 per cent., 75.2 *o.p.*), 4d. more; *Doubly - Rectified Alcohol (S.V.R.)*, 95.8 per cent., 68 *o.p.* is 3d. more and *P.I. Rectified Alcohol,* 96.1 per cent., 68.5 *o.p.*, 7d. more. *R.R Absolute Alcohol* (re-rectified, 99.7 per cent., 75 *o.p.*), 12s. 6d. per bulk gall. net.

## Crude Drugs

ACONITE. — Spanish *napellus* is 3s. 6d. per lb., duty paid, ex wharf.

AGAR.—Kobé No. 1 on the spot is 17s. per lb., nominal.

ALOES. — Prime Cape for shipment is now quoted at 165s. per cwt., c.i.f. Spot is unchanged at 172s. 6d. Curaçao is from 335s. to 340s. per cwt., on the spot.

ANTIMONY. — English, 99.6 per cent., £237 10s.; 99 per cent., £225 per ton.

ARECA NUTS. — A parcel is offered at 42s. 6d. per cwt. on the spot. Forward rates are firmer.

ASAFŒTIDA.—Persian block is £15 per cwt., duty paid.

BALSAMS. — *Canada*: Spot is about 27s. 6d. per lb. *Copaiba*: Soluble Para, spot is 16s. per lb. *Peru,* 11s. 6d. per lb., duty paid. *Tolu* (genuine as imported) on the spot is 20s. per lb. landed terms; for shipment, 18s., c.i.f.

BELLADONNA.—ROOT.—A parcel testing 0.44 per cent. is offered at 2s. per lb. on the spot, duty paid; LEAVES are from 3s. per lb., as to test.

BENZOIN.—Firm. No. 1 Sumatra block on the spot is from £26 10s. per cwt. and for shipment, £25 7s. 6d., c.i.f.

BISMUTH. — In minimum 5-cwt. lots METAL is 17s. 6d. per lb.

BUCHU.—New-crop offers for shipment are about 1s. 9d., c.i.f

CAMPHOR. — Chinese (B.P.) powder on the spot is 3s. 9d.; ¼-oz. tablets are quoted at 5s. 9d. per lb.; 2½-lb. slabs, 4s. 9d. per lb., all duty paid.

CARDAMOMS. — Aleppy greens are offered from source at 7s. 9d. per lb., c.i.f., and on the spot at 9s.

CASCARA SAGRADA. — American bark on the spot is from 325s. to 345s. per cwt., duty paid, and April shipment, 280s., c.i.f.

CHERRY BARK. — Thin natural is from 1s. 9d. per lb., duty paid, and rossed, 2s. 2d., on the spot.

CHILLIES.—Sierra Leone on the spot are scarce; for shipment, 150s. per cwt., c.i.f., nominal; Mombasa, 235s., c.i.f., and 250s., spot.

CLOVES.—Quiet. Offers of Zanzibar on the spot are 10s. 9d. per lb. and 9s. 6d., c.i.f., for shipment.

ERGOT. — Portuguese for shipment is 17s. per lb., c.i.f.; spot, 17s. 6d. A parcel afloat of mid-European is offered at 10s., landed terms.

GALANGAL.—A parcel on the spot is offered at 90s. per cwt. Firm at origin.

GAMBOGE.—Good average Siam pipe is £35 per cwt., duty paid.

GENTIAN. — French natural on spot is about 110s. per cwt.

GINGER.—African on the spot is now 110s. per cwt., and forward at 100s., c.i.f. Spot quotations for Jamaican are about 127s. 6d. for No. 3; new-crop for April shipment, 125s.

GUAIACUM RESIN.—Quotations are from 2s. 9d. per lb. for spot material.

GUM ACACIA.—Kordofan cleaned sorts on the spot are 97s. 6d. per cwt.; new-crop, April-May shipment, 87s. 6d., c.i.f.

HENNA.—Indian green leaves are firmer at 80s. per cwt., spot, and c.i.f. Egyptian is 100s., spot.

HYDRASTIS. — Root is 22s. per lb., landed terms.

IPECACUANHA.—Firm. Spot Colombian, 41s. per lb.; Nicaraguan, 46s. nominal. Forward: Colombian, April shipment, 40s., c.i.f.; Nicaraguan, May shipment, 44s. to 45s., c.i.f.

LOBELIA.—Herb is 3s. per lb., spot.

MENTHOL. — Brazilian is 42s. per lb. Chinese, 51s. 6d., both duty paid on the spot. Shipment: Brazilian, 40s.; Chinese, 46s., both c.i.f.

MERCURY.—Nominal spot value is £71 per flask, ex warehouse.

ORANGE PEEL.—Bitter quarters, Spanish 1s. 10d. per lb., duty paid, and 1s. 6d., c.i.f. West-Indian, 1s. 3d. Spanish ribbon (sweet), 9d., c.i.f.

PEPPER.—Firm. White Sarawak on the spot is 12s. per lb.; April shipment, 11s. to 11s. 6d., c.i.f. Black Malabar, is 1,220s. per cwt., spot, and 1,170s., c.i.f., for shipment; Black Sarawak, 10s. 3d. per lb. spot, and 10s., afloat.

PODOPHYLLUM.—*Emodi* root on the spot is 170s. per cwt. *Peltatum,* 336s.

QUASSIA — Scarce at source for immediate delivery. Offers for June-July shipment are 34s. per cwt., c.i.f.

QUILLAIA.—Whole bark is £105 per ton, c.i.f., and spot, £125.

RHUBARB.—Shensi is 11s. 6d. per lb.; Double Deer No. 1 is scarce at 8s. 6d. for good pinky; other grades of Chinese rough round at from 3s. 9d. to 6s., all duty paid.

SANDARAC. — Morocco is offering on the spot at 14s. per lb.

SARSAPARILLA.—Jamaican native red is 2s. 3d. per lb., c.i.f., May shipment.

SASSAFRAS.—Bark is offered at 4s. 9d. per lb., on the spot.

SEEDS.—ANISE.—Spot, Cyprus offered at 140s. per cwt, and Turkish, 140s., duty paid (132s. 6d. in bond). CARAWAY. — Dutch in poor demand. Sellers quoting 86s. per cwt., duty paid, London. CELERY.—Indian quoted at 1s. 10½d. per lb., spot London. CORIANDER. — Market continues firm. Spot, Morocco is 40s., duty paid, and 37s. 6d. in bond; English remains at 70s. Shipment, Morocco is 42s. 6d., c.i.f., nominal. CUMIN.—Market quiet in absence of buyers. Spot, Cyprus, 140s. per cwt.; Morocco, 142s. 6d., duty paid; Malta, 150s.; Indian, 155s. DILL.—Indian offered at 80s. per cwt., spot London. FENNEL. — No spot supplies yet available. FENUGREEK.—Steady. Morocco, spot London, is 42s. 6d. per cwt., duty paid. MUSTARD.—English, 75s. to 87s. 6d. according to quality.

SENEGA. — Spot supplies are from 14s. per lb. Shipment offers are easier at about 13s., c.i.f.

SENNA. — *Tinnevelly* LEAVES: Prime No. 1 on the spot is 1s. 4d. per lb.; Prime No. 2, 1s. 2d.; Prime No. 3, 11d.; f.a.q., 10d. PODS, f.a.q., from 1s. 2d. to 1s. 4d.; hand-picked range from 2s. to 3s., ex wharf. *Alexandria* PODS, manufacturing, 1s. 10d. to 2s. 3d.; hand-picked, 3s. to 4s. 6d.

SHELLAC.—Unchanged. Spot quotations are:—F.O.T.N., pure, 172s. 6d.; F.O. standard No. 1, 187s. 6d.; fine orange, 212s. 6d. to 262s. 6d. per cwt., ex-London warehouse.

SLIPPERY ELM BARK.—Selected slabs are 4s. per lb., and grinding quality, 3s. 3d. spot.

STRAMONIUM.—Indian LEAVES are 5½d. per lb., spot, and European, 97s. 6d. per cwt.

STROPHANTHUS. — *Kombé,* 100 per cent. is quoted at about 16s. per lb., on the spot, and *Gratus,* 25s. per lb.

STYRAX.—Spot is 5s. 9d. per lb., duty paid.

TRAGACANTH.—Unchanged. No. 1 ribbon on the spot is £130 per cwt.; No. 2, £110; No. 3, £80.

TURMERIC.—Firm at origin. Madras finger is quoted at 77s. per cwt., c.i.f., London. Spot supplies are reported sold.

VALERIAN. — Indian, 165s. per cwt., Belgian, 200s., spot.

VANILLIN.—Present rates (per lb.) are as follows:—5-cwt. lots, 35s.; 1-cwt., 35s. 3d.; 56-lb., 35s. 6d.; smaller quantities, 35s. 9d.

WAXES.—BEES'.—Dar-es-Salaam. Spot, 440s. per cwt., April - May shipment, 440s., c.i.f. Sudanese and Abyssinian, 370s., c.i.f.: spot, 430s., duty paid. CANDELILLA. — Spot is 645s. per cwt. CARNAUBA. — Prime yellow, spot, 1,225s. per cwt.; afloat, 1,180s., c.i.f.; shipment, 1,170s., c.i.f.; fatty grey is scarce on the spot; shipment, 910s., c.i.f. MONTAN.—Reibeck crude on the spot is 135s. per cwt. OURICURI.—Spot, 0.5 per cent. impurities, 690s. per cwt. SPERMACETI.—Case lots are 2s. per lb.

WITCH HAZEL.—Leaves are from 1s. 6d. per lb., landed terms.

## Essential and Expressed Oils

ANISE. — Spot supplies are offered at from 7s. 3d. per lb. for original drums, and for shipment about 7s., c.i.f.

BIRCH TAR.—Rectified is about 14s. per lb. in 1-cwt. lots.

CARDAMOM.—Offers are from 275s. to 280s. per lb.

CITRONELLA. — Spot prices for original drums are: Ceylon, 3s. 6d. per lb.; Formosa, 3s. 8d. in bond; Java, 4s. in bond. Forward: Ceylon, 3s. 4½d.; Formosa, 3s. 9d., and Java, 3s. 9d., all c.i.f., April shipment.

CLOVE.—Madagascar leaf on the spot is 10s. per lb., duty paid, and 8s. 6d. c.i.f. for shipment; redistilled, from 17s. 6d. per lb., spot.

EUCALYPTUS. — Drum lots of 70 to 75 per cent. eucalyptol on the spot are 4s. 3d. per lb., and 80 to 85 per cent., 4s. 6d.

LEMONGRASS.—East Indian is 7s. 10½d. on the spot and 7s. 4½d. per lb., c.i.f.

PATCHOULI. — Seychelles on the spot is scarce. Penang is offered at 50s. per lb., spot, and forward at 44s., c.i.f.

PEPPERMINT. — *Arvensis,* Chinese in drums is 30s. per lb. and cases, 31s. 6d.; Brazilian is 18s. Forward: Chinese, 28s. 6d.; Brazilian, 16s. 6d.; both c.i.f. Italian "Mitcham" type oil is 49s. to 52s. 6d. per lb., as to quality, for original drums, delivered. Forward, 47s. 6d., c.i.f.

PETITGRAIN.—Paraguay on the spot is from 17s. 6d. per lb.

PIMENTO.—English-distilled is easier at 70s. to 72s. 6d. per lb.

PINE.—*Pumilionis* on the spot is from 16s. per lb.; *sylvestris,* 9s.; Siberian (*abietis*), 13s.

SANDALWOOD.—Mysore is 69s. per lb. on the spot for about 1-cwt. lots.

SPEARMINT. — Offers are from 62s. 6d. to 67s. 6d. per lb., as to holder.

VETIVERT.—Bourbon in original drums on the spot is about 130s. per lb.

## WORLD TRADE

**Guatemalan Insecticide Licensing.** — Insecticides, fungicides and weed killers have been made subject to import licensing in Guatemala.

**Italy Increases Sulphur Prices.**—The Italian Ministry for Industry and Commerce has authorised the sulphur board to increase, with immediate effect, raw sulphur prices for the domestic market by about 4,500 lire per ton.

**Turkey Bans British Goods.**—Turkey has banned the free entry of British exports. The Minister for Economy and Commerce, Mr. Gureli has said that in future his country would confine purchases of goods she needs to those countries which buy her products.

**West German Pharmaceutical Exports.** — The value of West German exports of pharmaceuticals dropped from 185 million marks in 1951 to between 160 and 165 million marks in 1952. Pharmaceuticals accounted for 9 per cent. of the total chemical exports in both years.

**France Cuts Imports.**—France is to cut imports from countries belonging to the Organisation for European Economic Cooperation during the next six months by $84 millions to rectify her unfavourable balance-of-payments position. Goods particularly affected are raw materials and food.

**Brazilian Imports Changes.** — The Bank of Brazil has informed importers that no more requests for import licences will be entertained until June. By then, it is expected that a new licensing system will have been prepared. It is understood that essential imports under the new system will be divided into groups for both the official and free exchanges.

**Indian Open General Licences.**—The Indian Government has issued two new open general licences valid for shipments until the end of September. O.G.L. No. 29 replaces O.G.L. No. 24 which allowed imports from all countries except South Africa: O.G.L. No. 30 replaces O.G.L. No. 25 which allowed imports from soft currency areas. DDT is among the items removed from the scope of the expiring licences.

**Uruguayan Import Quotas.** — The Uruguayan authorities have announced the opening of import quotas for "essential" United Kingdom goods to a value of £4,267,500. Goods falling within this category include pharmaceutical products. The Board of Trade draw attention to the fact that applications for import licences must be submitted before April 9. The quotas are in addition to those for a similar range of "essential" goods to the value of £3,380,000 announced by the Uruguayan authorities on January 17. On March 27 the opening of further quotas for the import of U.K. goods to a value of £1,410,000 was announced. These quotas are for goods classified Second and Third Categories —that is, as "medium and less-essential" goods. They include perfumery, soap, cosmetics, toilet articles, and photographic apparatus. Applications for import licences for the latter goods must be submitted before April 15.

## PRINT AND PUBLICITY

### Advertising Campaigns

H. W. CARTER & CO., LTD., The Royal Forest Factory, Coleford, Glos.: Ribena. Biggest-ever advertising campaign for the product in 1953 (450,000,000 advertisements).

INTERNATIONAL CHEMICAL CO., LTD., Chenies Street, London, W.C.1: Anne French cleansing cream. National advertising starts in May with big spaces in the *Daily Mirror*, *Woman*, and *Woman's Own*.

MAX FACTOR HOLLYWOOD & LONDON (SALES), LTD., 16 Old Bond Street, London, W.1: The company's biggest campaign ever in women's magazines and national Press for their Satin Flow cleansing lotion during February and March; for their invisible make-up foundation in February, March, April, and May; and for their Pan-Cake, Pan-Stik, face powder, and lipstick in March, April, May and June.

ROLLS RAZOR, LTD., Cricklewood, London, N.W.2: Viscount razor. Nation-wide advertising.

SPONCEL, LTD., Woldham Road, Bromley, Kent: Spontex sponges for household cleaning. From April onwards in *Woman*, *Woman's Own*, *Good Housekeeping*, *Ideal Home*, and *Homes and Gardens*.

VELVET CREPE PAPER CO., LTD., Alperton Mills, Woodside End, Mount Pleasant, Alperton, Middlesex: Velvex medicated toilet roll. In the *Radio Times* and many women's magazines.

WALTER CROWE, LTD., 3 Little Russell Street, London, W.C.1: Cutipen. Spring advertising commences during March in the principal national dailies and women's magazines.

### Medical Propaganda

Manufacturers' leaflets, folders, booklets, etc., directed to doctors but available to pharmacists.

PARKE, DAVIS & CO., LTD., Staines Road, Hounslow, Middlesex: "Carbrital" (4-p. leaflet); "Taka-diastase Sedative Elixir" (information card).

PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, Essex: "Propamidine—M. & B. Cream and Ophthalmic Solution" (seventh edition of 24-p. booklet); "Sulphatriad" (fourth edition of 16-p. booklet); "Anthisan" (fifth edition of 24-p. booklet); "Thalazole Suspension" (4-p. card); "Anthisan and Phenerzan Creams" (blotter).

ROCHE PRODUCTS, LTD., Welwyn Garden City, Herts: "Gantrisin Syrup" (8-p. booklet); "Gantrisin" (blotter); "The Roche Courier," Vol. 19, No. 2, 1953.

ROUSSEL LABORATORIES, LTD., 847 Harrow Road, London, N.W.10: "Dynandryl," "Amenorone" (4-p. leaflets); "Collubiazol-Roussel For Sore Throats" (card).

SHARP & DOHME, LTD., Hoddesdon, Herts.: "Liquor Diastos" (4-p. folder); "Elixir Adetate" (6-p. folder).

### Show Material

CUXSON, GERRARD & CO., LTD., Oldbury, Birmingham: Carnation corn caps. Showcard 6¾ x 4¾ in.

H. W. CARTER & CO., LTD., The Royal Forest Factory, Coleford, Glos: Ribena displays and "give-away" leaflets.

DUNCAN, FLOCKHART & CO., LTD., 104 Holyrood Road, Edinburgh, 8, or 155 Farringdon Road, London, E.C.1: Baumol soap. Showcard 10 x 8 in.

INNOXA (ENGLAND), LTD., 1 Eden Street, Hampstead Road, London, N.W.1: Innoxa barrier creams "51" and "71." Showcards 12½ x 18 in., and 7 x 10 in.

ROLLS RAZOR, LTD., Cricklewood, London, N.W.2: Viscount razor. Showcards, etc.

WALTER CROWE, LTD., 3 Little Russell Street, London, W.C.1: Cutipen. Showcard and 2-doz. dispenser.

### Booklets and Leaflets

C. F. GERHARDT, LTD., Fenchurch House, 5 Fenchurch Street, London, E.C.3: "Dethmor-Warfarin." Pp. 6. A new chemical for the control of rats and mice.

## TRADE MARKS

**From the "Trade Marks Journal," March 18**

*For preparations for destroying and repelling moths* (5)
MODINE, MODINES, 714,520-21, by Thomas Harley, Ltd., Perth.

*For machines for spraying insecticides and fungicides* (7)
TOURBILLON, B713,319, by Universal Crop Protection, Ltd., London, E.C.3.

*For shaving apparatus and instruments* (8)
VISCOUNT, 714,545, by Rolls Razor, Ltd., London, N.W.2.

*For electric shaving instruments* (5)
BI-AX, 714,841, by Philips Electrical, Ltd., London, W.C.2.

*For ultra-violet and infra-red ray apparatus* (10)
ULTRAPHIL, INFRAPHIL, 711,834-35, by Philips Electrical, Ltd., London, W.C.2.

*For veterinary instruments and apparatus* (10)
CROTALAI, HAHA, 714,249-50, by H. Hauptner, Solingen, Germany.

**From the "Trade Marks Journal," March 25**

*For agricultural and horticultural chemicals* (1)
ISACHLOR, 713,087, by Universal Crop Protection, Ltd., London, E.C.3.

*For grease-solvent preparations in jelly form for cleaning the hands* (3)
DIRTY PAWS, 688,534, by Kay Brothers, Ltd., Redditch.

*For non-medicated hand creams* (3)
CALLEVA, 715,195, by Reynolds & Johnstone, Ltd., Wallingford.

*For dentifrices* (3)
ROUGERYL, 708,409, by Gordon-Moore, Ltd. London, W.C.1.

*For non-medicated bath salts* (3)
MIL-O-BUBBLE, 711,389, by Nat Gould, Lon don, W.C.1.

*For all goods* (3) *and* (5)
QUERTON, 711,459-60, by Lilje-Holmer Stearinfabriks Aktiebolag, Stockholm, Swede

*For germicidal, insecticidal and fungicidal pr parations, all containing sulphur* (5)
ELECTROSULPH, 712,317, by Chelsea Insec cides, Ltd., East Grinstead.

## COMING EVENTS

**Items for inclusion under this heading should sent in time to reach the Editor not later th first post on Wednesday of the week of insertio**

### Sunday, April 5

LONDON PHARMACY RAMBLERS, for Blackcap, N market Hill and Mount Harry, Sussex. M in compartments reserved in name of Mr. Robinson on 9.50 a.m. special train fr Victoria to Cooksbridge. Tea at Kings Ridge Hotel, Kingston, Lewes, at 4.15 p.n

### Tuesday, April 7

ASSOCIATES' SECTION, ULSTER CHEMISTS' A CIATION, Chalet D'or, 48A Fountain St Belfast, at 8 p.m. Easter dance.

### Thursday, April 9

BRISTOL BRANCH, PHARMACEUTICAL SOCIETY, b room, Guildhall, Small Street, Bristol, 1 7.15 p.m. Annual meeting.

DUNDEE AND EASTERN SCOTTISH BRANCH, P MACEUTICAL SOCIETY, Mather's Hotel, Whit Place, Dundee, at 7.30 p.m. Discussion o resolutions being presented at the Soc Branch Representatives' meeting.

HARROGATE BRANCH, PHARMACEUTICAL SOC Fuller's café, Parliament Street, Harroga 7.30 p.m. Film show by courtesy of Burr Wellcome & Co.

PROPRIETARY ARTICLES TRADE ASSOCIATION, naught Rooms, Great Queen Street, Lo W.C.2 at 3 p.m. Fifty-seventh annual m

### ADVANCE INFORMATION

THE PHYSICAL SOCIETY is holding its seventh annual exhibition in London, April

SOUTHGATE AND WOOD GREEN DIVISION, LONDON PHARMACEUTICAL ASSOCIATION has poned its annual meeting to April 13 will be held at the Three Jolly Butchers Wood Green, London, N.22, at 8 p.m.

# Cussons

# IMPERIAL LEATHER

## *Toilet Luxuries*

## *now in Coronation Dress!*

Appropriately decorated Coronation packs now add topical interest at no extra charge to three famous Imperial Leather products: Bath Soap in 3-tablet box, Toilet Soap in 3-tablet box, and Talcum Powder.

**CUSSONS SONS & CO LTD, 84 BROOK ST, GROSVENOR SQ, LONDON W1**

The CHEMIST AND DRUGGIST
APRIL 4 1953

An artist's impression of the entrance hall of Biddle, Sawyer & Co., Ltd., London — headquarters of the Biddle, Sawyer world organisation. The fine 18th century archway and staircase was designed by the Adam brothers.

RUTIN CRUDE 85% · RUTIN PURE · QUERCETIN · BURSARIA SPINOSA
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